

INTERFOLDED DISPENSER NAPKINS

FIELD OF THE INVENTION

This invention generally relates to the field of paper products, and more specifically, to dispenser napkins.

BACKGROUND

Dispensers may be used to provide napkins in settings such as restaurants and stadiums. Typically, the napkins are folded and stacked together, and then loaded into a dispenser. The user grasps the edge of the leading napkin in the dispenser opening for obtaining a napkin.

However, these stacked arrangements of napkins suffer several disadvantages. Often, the user cannot find an edge or flap of the leading napkin. As a result, the user pinches several napkins and removes them from the dispenser instead of dispensing the napkins one-at-a-time. Often, this is more napkins than the user needs. Consequently, napkins are wasted, which in turn, increases costs to the establishment owner. Furthermore, some napkins if improperly loaded may not properly dispense. As an example, loading a stack of napkins backward may not present an edge or a flap for a user to grasp. Consequently, the napkins must be removed from the dispenser and reloaded.

Accordingly, a stacked napkin arrangement that provides consistent one-at-a-time napkin dispensing to reduce waste and costs and variable loading arrangements will improve over conventional stacked napkins.

DEFINITIONS

As used herein, the term "cellulosic material" refers to material that may be prepared from cellulose fibers from synthetic source or natural sources, such as woody and non-woody plants. Woody plants include, for example, deciduous and coniferous trees. Non-woody plants include, for example,

cotton, flax, esparto grass, milkweed, straw, jute, hemp, and bagasse. The cellulose fibers may be modified by various treatments such as, for example, thermal, chemical and/or mechanical treatments. It is contemplated that reconstituted
5 and/or synthetic cellulose fibers may be used and/or blended with other cellulose fibers of the fibrous cellulosic material. Desirably, no synthetic fibers are woven into the cellulosic material fibers.

As used herein, the term "pulp" refers to cellulosic
10 fibrous material from sources such as woody and non-woody plants. Woody plants include, for example, deciduous and coniferous trees. Non-woody plants include, for example, cotton, flax, esparto grass, milkweed, straw, jute, hemp, and bagasse. Pulp may be modified by various treatments such as,
15 for example, thermal, chemical and/or mechanical treatments. Desirably, no synthetic fibers are woven into the pulp fibers.

As used herein, the term "nonwoven web" refers to a web that has a structure of individual fibers or filaments which
20 are interlaid forming a matrix, but not in an identifiable repeating manner. Nonwoven webs have been, in the past, formed by a variety of processes known to those skilled in the art such as, for example, meltblowing, spunbonding, wet-forming and various bonded carded web processes.

As used herein, the term "spunbonded web" refers to a web of small diameter fibers and/or filaments which are formed by extruding a molten thermoplastic material as filaments from a plurality of fine, usually circular, capillaries in a spinneret with the diameter of the extruded
30 filaments then being rapidly reduced, for example, by non-eductive or eductive fluid-drawing or other well known spunbonding mechanisms. The production of spunbonded nonwoven webs is illustrated in patents such as Appel, et al., U.S. Patent No. 4,340,563.

As used herein, the term "meltblown fibers" means fibers formed by extruding a molten thermoplastic material through a plurality of fine, usually circular, die capillaries as molten threads or filaments into a high-velocity gas (e.g. air) stream which attenuates the filaments of molten thermoplastic material to reduce their diameters, which may be to microfiber diameter. Thereafter, the meltblown fibers are carried by the high-velocity gas stream and are deposited on a collecting surface to form a web of randomly disbursed meltblown fibers. The meltblown process is well-known and is described in various patents and publications, including NRL Report 4364, "Manufacture of Super-Fine Organic Fibers" by V.A. Wendt, E.L. Boone, and C.D. Fluharty; NRL Report 5265, "An Improved Device for the Formation of Super-Fine Thermoplastic Fibers" by K.D. Lawrence, R.T. Lukas, and J.A. Young; and U.S. Patent No. 3,849,241, issued November 19, 1974, to Buntin, et al.

As used herein, the term "basis weight" (hereinafter may be referred to as "BW") is the weight per unit area of a sample and may be reported as gram-force per meter squared and may be hereinafter abbreviated as "g_ms". The basis weight may be calculated using test procedure ASTM D 3776-96.

As used herein, the term "napkin assembly" refers to a stacked, interfolded arrangement of napkins, which may be in the form of napkin sheets.

As used herein, the term "napkin sheet" refers to a plurality of napkins connected together in series by a plurality of tabs separated by slits perforating the sheet. Individual napkins may be separated at the perforations during dispensing. The napkin sheet may include one or more plies.

As used herein, the term "machine direction" (hereinafter may be referred to as "MD") is the direction of a material parallel to its forward direction during processing.

As used herein, the term "machine direction tensile" (hereinafter may be referred to as "MDT") is the breaking force in the machine direction required to rupture a three inch width specimen. The results may be reported as gram-force and abbreviated as "gf". The MDT may be determined using test method number ASTM D5035-95.

As used herein, the term "tab strength" is the breaking force in the machine direction required to rupture a sheet product along its perforations. The results may be reported as gram-force and abbreviated as "gf". The MDT may be determined using test method number ASTM D5035-95.

As used herein, the term "tab width to slit width ratio" (hereinafter may be referred to as "T/S") refers to the ratio of the average width of a tab divided by the average width of a slit for a paper product.

As used herein, the term "caliper" refers to the thickness measurement of a sheet taken under constant force. The caliper may be determined using test method number TAPPI 411-OM-89.

SUMMARY OF THE INVENTION

The problems and needs described above are addressed by the present invention, which provides a napkin assembly for a dispenser. The napkin assembly may include a first napkin sheet further including a plurality of napkins and a second napkin sheet further including a plurality of napkins. Each napkin of both sheets has a basis weight from about 20 gsm to about 40 gsm and may be connected to an adjacent napkin in series by a plurality of tabs. The second napkin sheet may be positioned proximate to the first napkin sheet in an offset relation and the first and second napkin sheets may be formed into a nested configuration for dispensing.

Furthermore, each napkin of the first and second napkin sheets may include a first member integrally formed with a second member. These members may form a fold therebetween.



At least one napkin from the first napkin sheet may terminate at about the fold of a respective napkin from the second napkin sheet.

Moreover, at least 500 napkins from the first napkin sheet may terminate at about the fold of a respective napkin from the second napkin sheet.

In addition, the napkin basis weight may be about 30 gsm, the machine direction tensile may be greater than about 2000 gf, the T/S ratio may be greater than about 0.03, and the tab strength may be greater than about 30 gf. What is more, the napkins may include pulp fibers.

Another embodiment of a napkin assembly for a dispenser may include a first napkin sheet further including a plurality of napkins and a second napkin sheet further including a plurality of napkins. Each napkin of both sheets may be connected to an adjacent napkin in series by a plurality of tabs. What is more, each napkin of the first and second napkin sheets may include a first member, a second member, and a third member wherein the first member may be formed integrally with the second member forming a first fold between the first and second members and the second member may be formed integrally with the third member forming a second fold between the second and third members. At least one napkin from the first napkin sheet may terminate at about the second fold of a respective napkin from the second napkin sheet when nestably configured for dispensing.

Furthermore, at least 500 napkins from the first napkin sheet may terminate at about the second fold of a respective napkin from the second napkin sheet. Also, the napkin basis weight may be from about 20 gsm to about 40 gsm. Moreover, the napkin basis weight may be about 30 gsm, the machine direction tensile may be greater than about 2000 gf, the T/S ratio may be greater than about 0.03, and the tab strength may be greater than about 30 gf. Additionally, the napkins may include pulp fibers.

A further embodiment of the present invention is a napkin assembly for a dispenser. The napkin assembly may include a first napkin sheet further including a plurality of napkins and a second napkin sheet further including a plurality of napkins. Each napkin may be connected to an adjacent napkin in series by a plurality of tabs. What is more, each napkin of the first and second napkin sheets may include a first member, a second member, a third member, and a fourth member. The first member may be formed integrally with the second member forming a first fold between the first and second members, the second member may be formed integrally with the third member forming a second fold between the second and third members, and the third member may be formed integrally with the fourth member forming a third fold between the third and fourth members. The second and third members may have a length about twice that of the first and fourth members. At least one napkin from the first napkin sheet may terminate at about the middle of a third member of a respective napkin from the second napkin sheet when nestably configured for dispensing.

Furthermore, at least 500 napkins from the first napkin sheet may terminate at about the middle of a third member of a respective napkin from the second napkin sheet. Additionally, the napkin basis weight may be from about 20 gsm to about 40 gsm. Likewise, the napkin basis weight may be about 30 gsm, the machine direction tensile may be greater than about 2000 gf, the T/S ratio may be greater than about 0.03, and the tab strength may be greater than about 30 gf. In addition, the napkins may include pulp fibers.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a front, plan view, but not necessarily to scale, of one embodiment of a plurality of napkins.

FIG. 2 is a side, exploded view, but not necessarily to scale, of one embodiment of a napkin assembly having two interfolded napkin sheets.

5 FIG. 3 is a side, elevational view, but not necessarily to scale, of one embodiment of a napkin assembly in a nested configuration.

FIG. 4 is a front, plan view, but not necessarily to scale, of a second embodiment of a plurality of napkins.

10 FIG. 5 is a side, exploded view, but not necessarily to scale, of a second embodiment of a napkin assembly having two interfolded napkin sheets.

FIG. 6 is a side, elevational view, but not necessarily to scale, of a third embodiment of a napkin assembly in a nested configuration.

15 FIG. 7 is a front, plan view, but not necessarily to scale, of a third embodiment of a plurality of napkins.

FIG. 8 is a side, exploded view, but not necessarily to scale, of a third embodiment of a napkin assembly having two interfolded napkin sheets.

20 FIG. 9 is a side, elevational view but not necessarily to scale, of a third embodiment of a napkin assembly in a nested configuration.

FIG. 10 is a perspective view of an open napkin dispenser housing a napkin assembly.

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DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT(S)

Referring now to the drawings, like reference numerals designate corresponding structure throughout the views and like reference numerals used in conjunction with sequentially ordered lower case letters refer to a series of substantially identical items or components. Referring in particular to 30 FIGS. 1-3, there is depicted a napkin assembly 100 having a first napkin sheet 110 and a second napkin sheet 150. The first and second napkin sheets 110 and 150 may be

substantially identical. As a result, only the first napkin sheet 110 is discussed in detail hereinafter.

The first napkin sheet 110 may include a plurality of napkins 115. Referring to FIGS. 2 and 3, nodes (identified by the letter "N") may be placed on the drawings to merely indicate perforations or slits 126 separating individual napkins. These nodes are not actually present on the desired embodiments.

Referring to Fig. 1, there is shown a portion of a napkin sheet 110 depicting a plurality of napkins 115 that may include napkins 120a and 120b. The napkins may be attached together with a plurality of tabs 124. These tabs may be separated by a plurality of slits 126 perforating the sheet 110. The tabs 124 may range from about 1 millimeter to about 10 millimeter and may be manufactured by any method readily recognizable to one of ordinary skill in the art. Furthermore, although the tabs 124 are depicted as having the same length and as evenly spaced across the sheet 110, it should be understood that the tabs 124 may be of various sizes or unevenly spaced in alternative embodiments. As an example, the tabs 124 may be positioned on only one half of the sheet 110. In addition, the tabs 124 may be varied in size in relation to the slits 126 depending upon the properties of the sheet 110. As an example, some or all of the tabs 124 may have a length twice that of an adjacent slit 126. This tabbed structure may permit separating the napkins 120a and 120b during dispensing and may be used to connect subsequent napkins, such as the napkins 120c and 120d, as well. Napkins 120a and 120b may be substantially identical, consequently, only napkin 120a is discussed in detail hereinafter.

The napkin 120a may include a first member 128a and a second member 130a. The members 128a and 130a having approximately the same dimensions may be formed integrally together creating a fold 140a therebetween. The fold 140a

may permit the napkin 120a from the first sheet 110 to be interfolded with a napkin 160a from the second sheet 150.

The first and second napkin sheets 110 and 150 may be interfolded to form a nested configuration 185 as shown in FIG. 3. Although the depicted napkin assembly 100 consists of eight napkins, desirably the napkin assembly 100 may include from about 200 to about 1000 napkins. Furthermore, it is contemplated that even larger numbers of napkins may be used.

Referring to FIGS. 2 and 3, the sheets 110 and 150 may be positioned in an offset relation 180. The second sheet 150 may include a plurality of napkins 155 where each napkin 160a-d may include, respectively, a first member 168a-d, a second member 170a-d, and a fold 172a-d, similar to the previously described napkins 120a-d of the first napkin sheet 110. When the assembly 100 is formed into the nested configuration 185, the napkin 120a may terminate at tabs 124 at about the corresponding location of the fold 172a of the napkin 160a. This position may align the perforated section of the napkin 120a with the fold 172a of the napkin 160a. Napkins 120b-d of the first sheet 110 may terminate in the same manner to correspond with respective napkins 160b-d of the second sheet 150.

Referring to FIGS. 4-6, there is depicted another napkin assembly 200 having a first napkin sheet 210 and a second napkin sheet 260. The first and second napkin sheets 210 and 260 may be substantially identical. As a result, only the first napkin sheet 210 is discussed in detail hereinafter.

The first napkin sheet 210 may include a plurality of napkins 215. Referring to FIGS. 5 and 6, nodes "N" are placed on the drawings to merely indicate the perforations or slits 226 separating individual napkins. These nodes are not actually present on the desired embodiments.

Referring to Fig. 4, there is shown a portion of a napkin sheet 210 depicting a plurality of napkins 215 that

may include napkins 220a and 220b. The napkins 220a and 220b may be attached together with a plurality of tabs 224. These tabs 224 may be separated by a plurality of slits 226 perforating the sheet 210. The tabs 224 may range from about 5 1 millimeter to about 10 millimeter and may be manufactured by any method readily recognizable to one of ordinary skill in the art. Furthermore, although the tabs 224 are depicted as having the same width and as evenly spaced across the sheet 210, it should be understood that the tabs 224 may be 10 of various sizes or unevenly spaced in alternative embodiments. As an example, the tabs 224 may be positioned on only one half of the sheet 210. In addition, the tabs 224 may be varied in size in relation to the slits 226 depending upon the properties of the sheet 210. As an example, some or 15 all of the tabs 224 may have a length twice that of an adjacent slit 226. This tabbed structure may permit separating the napkins 220a and 220b during dispensing and may be used to connect subsequent napkins, such as napkins 220c and 220d, as well. Napkins 220a and 220b may be 20 substantially identical, consequently, only napkin 220a is discussed in detail hereinafter.

The napkin 220a may include a first member 228a, a second member 230a, and a third member 232a. The members 228a, 230a, and 232a having approximately the same dimensions 25 may be formed integrally together. Members 228a and 230a may form a fold 240a and members 230a and 232a may form a fold 242a. The folds 240a and 242a may permit the napkin 220a from the first sheet 210 to be interfolded with a napkin 270a from the second sheet 260.

30 The first and second napkin sheets 210 and 260 may be interfolded to form a nested configuration 295 as shown in FIG. 6. Although the depicted napkin assembly 200 consists of eight napkins, desirably the napkin assembly 200 may include from about 200 to about 1000 napkins. Furthermore,

it is contemplated that even larger numbers of napkins may be used.

Referring to FIGS. 5 and 6, the sheets 210 and 260 may be positioned in an offset relation 292. The second napkin sheet 260 may include a plurality of napkins 265 where each napkin 270a-d may include a first member 278a-d, a second member 280a-d, a third member 282a-d, a first fold 284a-d, and a second fold 286a-d, similar to the previously described napkins 220a-d of the first napkin sheet 210. When the assembly 200 is formed into the nested configuration 295, the napkin 220a may terminate at tabs 224 at about the corresponding location of the second fold 286a of the second sheet napkin 270a. This position may align the perforated section of the napkin 220a with the fold 286a of the napkin 270a. Napkins 220b-d of the first sheet 210 may terminate in the same manner to correspond with respective napkins 270b-d of the second sheet 260.

Referring to FIGS. 7-9, there is depicted a further napkin assembly 300 having a first napkin sheet 310 and a second napkin sheet 360. The first and second napkin sheets 310 and 360 may be substantially identical. As a result, only the first napkin sheet 310 is discussed in detail hereinafter.

The first napkin sheet 310 may include a plurality of napkins 315. Referring to FIGS. 8 and 9, nodes "N" are placed on the drawings to merely indicate perforations separating individual napkins. These nodes are not actually present on the desired embodiments.

Referring to FIG. 7, there is shown a portion of a napkin sheet 310 depicting a plurality of napkins 215 that may include napkins 320a and 320b. The napkins 320a and 320b may be attached together with a plurality of tabs 324. These tabs 324 may be separated by a plurality of slits 326 perforating the sheet 310. The tabs 324 may range from about 1 millimeter to about 10 millimeter and may be manufactured

by any method readily recognizable to one of ordinary skill in the art. Furthermore, although the tabs 324 are depicted as having the same width and as evenly spaced across the sheet 310, it should be understood that the tabs 324 may be of various sizes or unevenly spaced in alternative embodiments. As an example, the tabs 324 may be positioned on only one half of the sheet 310. In addition, the tabs 324 may be varied in size in relation to the slits 326 depending upon the properties of the sheet 310. As an example, some or all of the tabs 324 may have a length twice that of an adjacent slit 326. This tabbed structure may permit separating the napkins 320a and 320b during dispensing and may be used to connect subsequent napkins, such as napkins 320c and 320d, as well. Napkins 320a and 320b may be substantially identical, consequently, only napkin 320a is discussed in detail hereinafter.

The napkin 320a may include a first member 328a, a second member 332a, a third member 336a, and a fourth member 340a. The members 328a, 332a, 336a, and 340a may be formed integrally together. Members 328a and 332a may form a fold 344a, members 332a and 336a may form a fold 346a, and members 336a and 340a may form a fold 348a. The lengths 330a and 342a of respective members 328a and 340a may be about half the length 334a and 338a of respective members 332a and 336a. The folds 344a, 346a, and 348a may permit the napkin 320a from the first sheet 310 to be interfolded with a napkin 370a from the second sheet 360.

The first and second napkin sheets 310 and 360 may be interfolded to form a nested configuration 395 as shown in FIG. 9. Although the napkin assembly 300 consists eight napkins, desirably the napkin assembly 300 may include from about 200 to about 1000 napkins. Furthermore, it is contemplated that even larger numbers of napkins may be used.

Referring to FIGS. 8 and 9, the sheets 310 and 360 may be positioned in an offset relation 392. The second napkin

sheet 360 may include a plurality of napkins 365 where each napkin 370a-d may include a first member 378a-d, a second member 380a-d, a third member 382a-d, and a fourth member 384a-d, similar to the previously described napkins 320a-d of the first napkin sheet 310. When the assembly 300 is formed into the nested configuration 395, the napkin 320a may terminate at tabs 324 at about the corresponding location of the middle of the third member 382a of the napkin 370a. This positions may align the perforated section of the napkin 320a with about the midpoint of the member 382a. Napkins 320b-d of the first sheet 310 may terminate in the same manner to correspond with respective napkins 370b-d of the second sheet 360.

The napkins may be constructed from cellulosic fibers, nonwoven materials, or combinations of both materials. The basis weight of the napkins may vary from about 10 gram-force per square meter (hereinafter may be abbreviated as "gsm") to about 50 gsm, desirably from about 20 gsm to about 40 gsm, and more desirably about 30 gsm.

These napkins may be interfolded using any method or machine known by one of ordinary skill in the art, such as those disclosed by U.S. Pat. Nos. 1,253,644, 1,302,241, and 1,457,978, which are hereby incorporated by reference.

An exemplary napkin dispenser 400, which is disclosed in application number 08/991,669, entitled, "Container And Cartridge For Dispensing Paper Product," hereby incorporated by reference, may hold a napkin assembly 300, although napkin assemblies 100 and 200 may be used as well. The dispenser 400 may be vertical with the napkins fed by gravity or horizontal with a spring to force napkins from the dispenser. A first member 328 of the napkin sheet 310 may protrude from the dispenser to be grasped by a user. Grasping and pulling the member 328a may pull a portion of the napkin 370a of the second sheet 360 from the dispenser 400. The user may pull the napkin 320a to tear along the tabs 324 for obtaining one

napkin. Thus, the user may obtain a napkin 320a for use while still leaving a portion of the next napkin outside the dispenser for the next user to grasp. As a result, this invention may permit one-at-a-time napkin dispensing and minimize waste. It should be understood that the other napkin assemblies 100 and 200 operate in the same manner. In particular, removing one napkin from a sheet results in the positioning a napkin from the other sheet outside the dispenser 400 for grasping by a user. Furthermore, the napkin assemblies 200, 300, and 400 may be inverted so that either end may dispense individual napkins.

COMPARISON DATA

Generally, the ratio of tab width to slit width (hereinafter may be referred to as "T/S") is greater in napkin assemblies of the present invention than toilet tissue products. The T/S value of napkins is generally 0.04 while the T/S value of toilet tissue products is generally 0.02. This higher ratio creates a stronger connection between napkins, which in turn, prevents inadvertent separation of the napkins within the dispenser during dispensing.

Table 1 depicts data from a napkin sheet of the present invention and an interfolded toilet tissue.

TABLE 1		
	Napkin	Toilet Tissue Product
Basis Weight (gf)	29	14
Caliper (millimeter)	0.20	0.064
Machine Direction	5700	1200
Tensile (gf)		

As depicted, the napkin tends to have a higher basis weight, caliper measurement, and machine direction tensile than the

toilet tissue product. Thus, the napkin has different physical properties created for its intended use, which may present different dispensing properties than toilet tissue.

Table 2 depicts data regarding perforated structure for
5 the paper products of Table 1.

TABLE 2		
	Napkin	Toilet Tissue Product
Tab Width (millimeter)	0.48	0.48
Slit Width (millimeter)	12	28
Tab Strength (gf)	92	20

Although the tab widths for the napkin of the present invention and the toilet tissue product are the same,
10 the slit width of the toilet tissue product is over twice that of the napkin, and likewise, the tab strength is less than a quarter of the napkin. Generally, greater slit widths in toilet tissue result in less tabs present in the sheet. Toilet tissue may be constructed with less tabs because of
15 its smaller sheet size, which may require less pulling force during dispensing. Napkins tend to be bigger sheet products, and as a result, more force may be required to pull napkins from the dispenser. Thus, smaller slit widths, and thereby more tabs, may prevent unintentional napkin sheet separation
20 during dispensing.

While the present invention has been described in connection with certain preferred embodiments, it is to be understood that the subject matter encompassed by way of the present invention is not to be limited to those specific
25 embodiments. On the contrary, it is intended for the subject matter of the invention to include all alternatives, modifications and equivalents as can be included within the spirit and scope of the following claims.



WHAT IS CLAIMED IS:

1. A napkin assembly for a dispenser, the napkin assembly comprising:

5 a first napkin sheet further comprising a plurality of napkins wherein each napkin has a basis weight from about 20 gsm to about 40 gsm and is connected to an adjacent napkin in series by a plurality of tabs;

10 a second napkin sheet further comprising a plurality of napkins wherein each napkin has a basis weight from about 20 gsm to about 40 gsm and is connected to an adjacent napkin in series by a plurality of tabs, the second napkin sheet being positioned proximate to the first napkin sheet in an offset relation so that the first and second napkin sheets are
15 formed into a nested configuration for dispensing.

2. The napkin assembly of claim 1 wherein each napkin of the first and second napkin sheets further comprises a first member integrally formed with a second member forming a fold
20 between the first and second members; and

at least one napkin from the first napkin sheet terminates at about the fold of a respective napkin from the second napkin sheet.

25 3. The napkin assembly of claim 2 wherein at least 500 napkins from the first napkin sheet terminate at about the fold of a respective napkin from the second napkin sheet.

4. The napkin assembly of claim 1 wherein the napkin basis
30 weight is about 30 gsm.

5. The napkin assembly of claim 1 wherein the napkins comprise pulp fibers.



6. The napkin assembly of claim 1 wherein the machine direction tensile is greater than about 2000 gf.
7. The napkin assembly of claim 1 wherein the T/S ratio is greater than about 0.03.
8. The napkin assembly of claim 1 wherein the tab strength is greater than about 30 gf.
9. A napkin assembly for a dispenser, the napkin assembly comprising:
a first napkin sheet further comprising a plurality of napkins wherein each napkin is connected to an adjacent napkin in series by a plurality of tabs;
a second napkin sheet further comprising a plurality of napkins wherein each napkin is connected to an adjacent napkin in series by a plurality of tabs;
each napkin of the first and second napkin sheets further includes a first member, a second member, and a third member wherein the first member is formed integrally with the second member forming a first fold between the first and second members and the second member is formed integrally with the third member forming a second fold between the second and third members; and
at least one napkin from the first napkin sheet terminates at about the second fold of a respective napkin from the second napkin sheet when nestably configured for dispensing.
10. The napkin assembly of claim 9 wherein at least 500 napkins from the first napkin sheet terminate at about the second fold of a respective napkin from the second napkin sheet.



11. The napkin assembly of claim 9 wherein the napkin basis weight is from about 20 gsm to about 40 gsm.
12. The napkin assembly of claim 11 wherein the napkin basis weight is about 30 gsm.
13. The napkin assembly of claim 9 wherein the napkins comprise pulp fibers.
14. The napkin assembly of claim 9 wherein the machine direction tensile is greater than about 2000 gf.
15. The napkin assembly of claim 9 wherein the T/S ratio is greater than about 0.03.
16. The napkin assembly of claim 9 wherein the tab strength is greater than about 30 gf.
17. A napkin assembly for a dispenser, the napkin assembly comprising:
- a first napkin sheet further comprising a plurality of napkins wherein each napkin is connected to an adjacent napkin in series by a plurality of tabs;
 - a second napkin sheet further comprising a plurality of napkins wherein each napkin is connected to an adjacent napkin in series by a plurality of tabs;
 - each napkin of the first and second napkin sheets further includes a first member, a second member, a third member, and a fourth member wherein the first member is formed integrally with the second member forming a first fold between the first and second members, the second member is formed integrally with the third member forming a second fold between the second and third members, and the third member is formed integrally with the fourth member forming a third fold between the third and fourth members;



the second and third members have a length about twice that of the first and fourth members; and

at least one napkin from the first napkin sheet terminates at about the middle of a third member of a
5 respective napkin from the second napkin sheet when nestably configured for dispensing.

18. The napkin assembly of claim 17 wherein at least 500 napkins from the first napkin sheet terminate at about the
10 middle of a third member of a respective napkin from the second napkin sheet.

19. The napkin assembly of claim 17 wherein the napkin basis weight is from about 20 gsm to about 40 gsm.

15 20. The napkin assembly of claim 19 wherein the napkin basis weight is about 30 gsm.

21. The napkin assembly of claim 17 wherein the napkins
20 comprise pulp fibers.

22. The napkin assembly of claim 17 wherein the machine direction tensile is greater than about 2000 gf.

25 23. The napkin assembly of claim 17 wherein the T/S ratio is greater than about 0.03.

24. The napkin assembly of claim 17 wherein the tab strength
30 is greater than about 30 gf.