Claims

1. A method for packaging a hydrogel contact lens (L), comprising the steps of:

   (a) providing a plastic container (B) having a cavity (C) and a flat flange (1) that horizontally extends in a plane around the perimeter of the cavity (C), the flange (1) having a sealing area (2) circumferentially and adjacently surrounding the cavity (C), the sealing area (2) having a micro-texture pattern,
   (b) placing an amount of the packaging solution (S) and the soft contact lens (L) in the container (B), wherein the amount of the packaging solution (S) is sufficient to have the hydrogel contact lens (L) fully immersed therein;
   (c) heat sealing the container (B) using a heated flat seal plate with a flexible cover sheet (D) which is a laminate material comprising a metal foil layer and at least one polymer layer to form a storage package of the soft contact lens (L);

   wherein during the step of heat sealing, the micro-texture pattern engages the laminate material flexible cover sheet (D) and displaces water beads present between the laminate material flexible cover sheet (D) and the plastic container (B) in the sealing area (2) to form a heat seal, provided that after heat sealing the sealing area (2) is smooth and leveled to the flange (1), **characterized in that** the micro-texture pattern comprises a step height (81) rough surface (82),wherein the step height rough surface (81, 82) has an overall root mean square surface roughness of between 5 μm and 50 μm.

2. The method of claim 1, wherein the step height rough surface (81, 82) has an overall root mean square surface roughness of between 8 μm and 30 μm.

3. The method of claim 2, wherein the step height rough surface (81, 82) has an overall root mean square surface roughness of between 10 μm and 20 μm.

4. The method of claim 3, wherein the step height rough surface (81, 82) has an overall root mean square surface roughness of between 11 μm and 15 μm.

5. The method of anyone of claims 1 to 4, wherein the step height rough surface (81, 82) has a sectional height gradually higher from the outer edge of the cavity (C)toward the inner edge of the cavity (C).

6. The method of anyone of claims 1 to 4, wherein the step height rough surface (81, 82) has a sectional height gradually higher from the inner edge of the cavity (C)toward the outer edge of the cavity (C).

7. A plastic container (B) for storing a hydrogel contact lens (L) in a liquid (S), the container (B) comprising:

   a cavity (C) and a flat flange (1) that horizontally extends in a plane around the perimeter of the cavity (C), the flange (1) having a sealing area (2) circumferentially and adjacently surrounding the cavity (C), the sealing area (2) having a micro-texture pattern,
   characterized in that the micro-texture pattern comprises a step height rough surface (81, 82), wherein the step height rough surface (81, 82) has an overall root mean square surface roughness of between 5 μm and

50 μm.

8. The plastic container (B) of claim 7, wherein the step height rough surface (81, 82) has an overall root mean square surface roughness of between 8 μm and 30 μm.

9. The plastic container (B) of claim 8, wherein the step height rough surface (81, 82) has an overall root mean square surface roughness of between 10 μm and 20 μm.

10. The plastic container (B) of claim 9, wherein the step height rough surface (81,82) has an overall root mean square surface roughness of between 11 μm and 15 μm.