

Fig.1

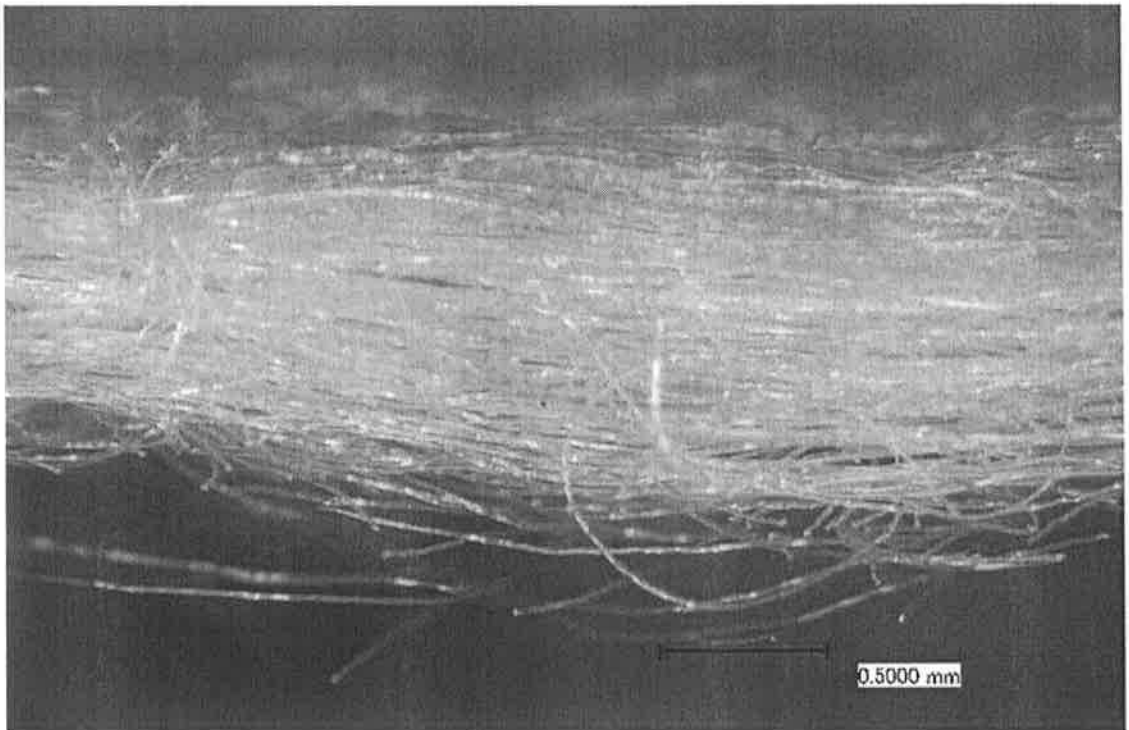


Fig.2

	EXAMPLES								
	EXAMPLE 1	EXAMPLE 2	EXAMPLE 3	EXAMPLE 4	EXAMPLE 5	EXAMPLE 6	EXAMPLE 7	EXAMPLE 8	EXAMPLE 9
FINENESS (DTEX)	2	0.8	1.3	1.7	2.5	3.7	2	2	2
BASIS WEIGHT (G/M ²)	80	80	80	80	80	80	30	80	80
LONG FIBER CONTENT (%)	100	92	100	100	100	100	100	94	80
NO-LOAD BULK MM	1.10	1.28	1.12	1.06	1.16	0.81	0.4	0.98	1.2
NO-LOAD BULK DENSITY	0.073	0.063	0.071	0.075	0.069	0.099	0.075	0.082	0.067
HAVING COMPONENT IN BULK DIRECTION	○	○	○	○	○	○	○	○	○
THE NUMBER OF BLOCKS HAVING MOVEMENT IN BULK DIRECTION	7	9	8	8	7	9	5	7	9
EFFECTIVE FILTRATION PART (%)	100	100	100	100	100	100	100	100	100
ELONGATION (LONGITUDINAL) (MM)	0.3	0.4	0.3	0.5	0.4	0.3	0.8	0.4	1.5
ELONGATION (WIDTH) (MM)	2.7	1	1	1.5	3.1	3.3	3.5	2.6	3.9
ELONGATION PERCENTAGE (LONGITUDINAL) (%)	0.15	0.20	0.15	0.25	0.20	0.15	0.40	0.20	0.75
ELONGATION PERCENTAGE (WIDTH) (%)	1.35	0.50	0.50	0.75	1.55	1.65	1.75	1.30	1.95
ELONGATION RATIO (WIDTH / LONGITUDINAL)	9	2.5	3.3333	3	7.75	11	4.375	6.5	2.6
FALLING AMOUNT OF SHORT FIBERS	5 THOUSAND	20 THOUSAND	10 THOUSAND	8 THOUSAND	4 THOUSAND	3 THOUSAND	3 THOUSAND	8 THOUSAND	20 THOUSAND FIBERS
FLOW RATE CHANGE RATIO	87	77	77	73	73	65	60	79	75

Fig.3

	COMPARATIVE EXAMPLES							
	COMPARATIVE EXAMPLE 1	COMPARATIVE EXAMPLE 2	COMPARATIVE EXAMPLE 3	COMPARATIVE EXAMPLE 4	COMPARATIVE EXAMPLE 5	COMPARATIVE EXAMPLE 6	COMPARATIVE EXAMPLE 7	COMPARATIVE EXAMPLE 8
FINENESS (DTEX)	0.5	5	2	2	2	2	1.7	2
BASIS WEIGHT (G/M ²)	80	80	15	110	80	40	40	30
LONG FIBER CONTENT (%)	100	100	100	100	50	38	0	100
NO-LOAD BULK MM	0.7	1.6	0.2	1.7	1.4	0.52	0.6	0.26
NO-LOAD BULK DENSITY	0.114	0.050	0.075	0.065	0.057	0.077	0.067	0.115
HAVING COMPONENT IN BULK DIRECTION	O	O	O	O	O	O	O	x
THE NUMBER OF BLOCKS HAVING MOVEMENT IN BULK DIRECTION	3	8	4	4	8	7	9	1
EFFECTIVE FILTRATION PART (%)	100	100	100	100	100	86	100	86
ELONGATION (LONGITUDINAL) (MM)	0.3	0.3	1.8	0.3	1.2	0.25	40	0.33
ELONGATION (WIDTH) (MM)	0.6	10	5.4	2.5	12	0.5	40	1.03
ELONGATION PERCENTAGE (LONGITUDINAL) (%)	0.15	0.15	0.90	0.15	0.60	0.13	20.00	0.17
ELONGATION PERCENTAGE (WIDTH) (%)	0.30	5.00	2.70	1.25	6.00	0.25	20.00	0.52
ELONGATION RATIO (WIDTH / LONGITUDINAL)	2	33.3333	3	8.333333	10	2	1	3.121212121
FALLING AMOUNT OF SHORT FIBERS	40 THOUSAND	5 THOUSAND	4 THOUSAND	10 THOUSAND	40 THOUSAND	102 THOUSAND	200 THOUSAND	4 THOUSAND
FLOW RATE CHANGE RATIO	43	46	45	47	78	73	70	30

Fig.4

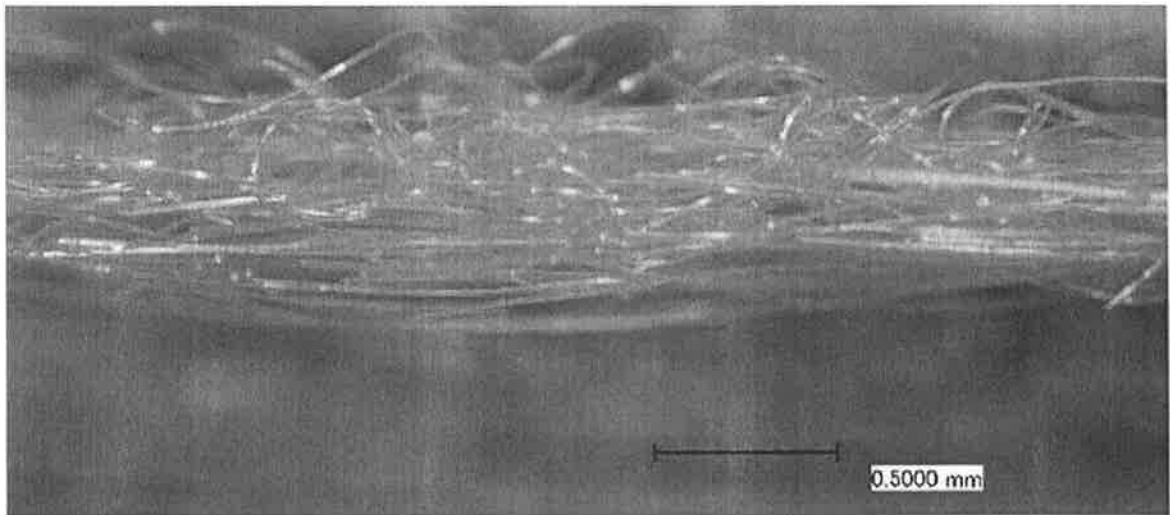


Fig.5

