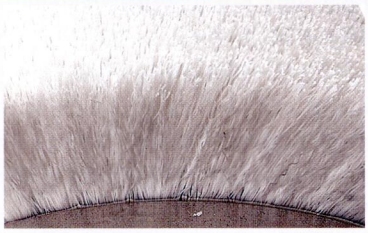
7 Fill materials

Synthetic monofilaments - NON ABRASIVE



	Novofil NN	Novofil NM	Novofil NH	Novofil HR	Novofil TR	Novofil PR	Novofil PT
Material group	PA 6	PA 6.6	PA 6.12	PA	Special	PP	PBT
Density (g/cm³)	1,14	1,1	1,07	1,14	1,16	0,9	1,5
Temperature resistance							
Permanent (°C)	90	90	90	95	190	70	100
Max. short-term (°C)	120	120	120	120	250	100	130
Water absorption							
(at 23°C)	10%	8%	3%	9%	7,50%	<1%	<0,5%
Mechanical properties							
Bend recovery	+	+	+	+	+	0	-
Stifness	-	0	+	-	0	+	+
Resistance to abrasion	+	+	+	+	0	0	-
Chemical resistance							
Against alkalines	+	+	+	+	+	0	0
Against acids	-	-	0	-	+	+	+

Synthetic monofilaments - ABRASIVE

	Novofil NH-S	Novofil NH-A	Novofil NN-S	Novofil NN-A	Novofil HR-S	Novofil HR-A	Novofil NL-S	Novofil NL-A	Novofil NH-C	Novofil NA-S	Novofil NA-A
Material	PA 6.12	PA 6.12	PA 6	PA 6	PA 6.12	PA 6.12	PA 6.12	PA 6.12	PA 6.12	PA 6.12	PA 6.12
Abrasive Material	SiC	Al_2O_3	SiC	Al_2O_3	SiC	Al_2O_3	SiC	Al_2O_3	Al_2O_3	SiC	Al_2O_3
Grit size	46-1000	80-1000	46-500	60-500	46-500	80-500	46-320	120-320	80-320	46-500	46-500
Density (g/cm³)	1,3	1,5	1,3	1,5	1,3	1,5	1,3	1,5	1,65		
Temperature resistance											
Permanent (°C)	90	90	90	90	95	95	90	90	90	80	80
Max. short-term (°C)	120	120	120	120	130	130	120	120	120	110	110
Water absorption											
(at 23°C)	3%	3%	10%	10%	3%	3%	3%	3%	3%	1,50%	1,50%
Mechanical properties											
Bend recovery	+	+	0	0	+	+	+	+	+	0	0
Stifness	+	+	0	0	+	+	+	+	+	0	0
Resistance to abrasion	+	+	0	0	+	+	+	+	+	+	+
Chemical resistance											
Against alkalines	+	+	+	+	+	+	+	+	+	0	0