

# FACTS COMPACT: HIGH PERFORMANCE FIBERS



For the production of our high performance fibers, we only use the specially developed and patent-protected process of the pressure impregnation. If the filament diameter and the size of the dispersion particles allow the intrusion, this method ensures the constant coating of the fibre component.

For example, when using PTFE, it is possible to get an even coating of the filaments. Therefore, the friction is reduced and the dynamic function of the coated fiber will be considerably increased.

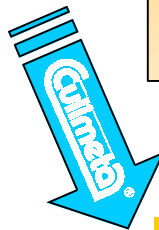
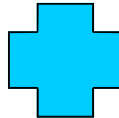
## Standard products

- glass yarns / -threads  
(E-glass, ECR-glass, S2-glass, silica glass, quartz glass)
- texturised glass yarns / -threads  
(E-glass, ECR-glass, S2-glass, silica glass, quartz glass)
- polyethylene fiber (high-strength)
- aramide / paraaramide
- polyamide
- polyester
- hybrid threads  
(f.i. glass/aramid, glass/metal, glass/polyester)



## Coatings

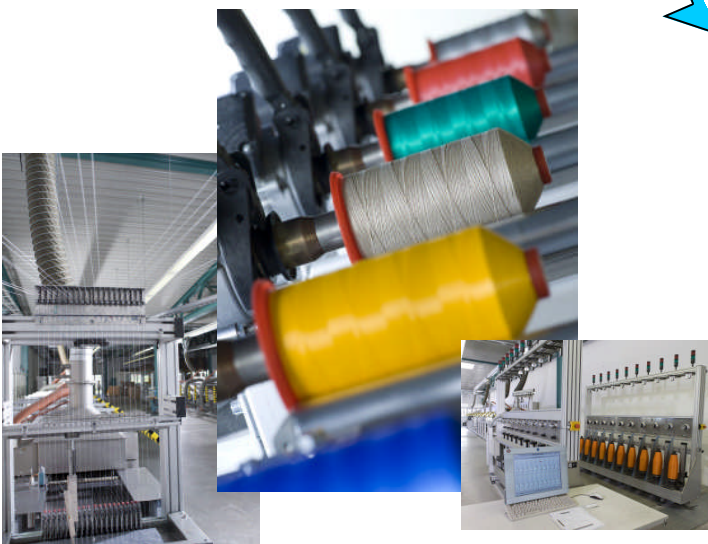
- PTFE  
(nature and coloured; sintered and non-sintered)
- acrylic (coloured)
- polyurethan (PU)  
(grey and white; other colours on request)
- silicone (nature and coloured)
- graphite
- oil
- size



## Advantages of the final product:

Increase of the processing quality and other technical features, as for example.:

- Higher tensile strength
- Increasing of the abrasion resistance
- Increasing of the UV stability
- Hydrophobic
- Antibacterial
- Marking by colouring
- Electrical and thermal conductivity



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**Culimeta**®

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Below you will find an overview of our product range. Further constructions on request.

type	diameter (ca.)	tex (g/1000 m)	tensile strength (N)	coating	PTFE-content	oil content	silicone content
MN-30 / MNB-30	0,3 mm	170	>65	PTFE	15 - 20%		
MN-30 / MNB-30	0,3 mm	190	>65	PTFE / oil	15 - 20%	8 - 10%	
MN-30 / MNB-30	0,3 mm	160	>65	silicone			8 - 10%
<b>STANDARD PRODUCTS &amp; BETA TYPES- STANDARD PRODUCTS &amp; BETA TYPES - STANDARD PRODUCTS &amp; BETA TYPES</b>							
type		tex (g/1000 m)	tensile strength (N)	coating	PTFE-content	oil content	silicone content
MN-40 / MNB-40	0,4 mm	250	>95	PTFE	15 - 20%		
MN-40 / MNB-40	0,4 mm	275	>95	PTFE / oil	15 - 20%	8 - 10%	
MN-40 / MNB-40	0,4 mm	230	>95	silicone			8 - 10 %
MN-40 / V4A (steel)	0,4 mm	340	>80	PTFE	15 - 20%		
MN-40 / V4A (steel)	0,4 mm	400	>80	PTFE / oil	15 - 20%	8 - 10 %	
<b>STANDARD PRODUCTS &amp; BETA TYPES- STANDARD PRODUCTS &amp; BETA TYPES - STANDARD PRODUCTS &amp; BETA TYPES</b>							
type		tex (g/1000 m)	tensile strength (N)	coating	PTFE-content	oil content	silicone content
MN-50	0,5 mm	350	>115	PTFE	15 - 20 %		
MN-50	0,5 mm	385	>115	PTFE / oil	15 - 20 %	8 - 10%	
MN-50	0,5 mm	320	>115	silicone			8 - 10 %
MN-50 / V4A (steel)	0,5 mm	430	>105	PTFE	15 - 20%		
MN-50 / V4A (steel)	0,5 mm	470	>105	PTFE / oil	15 - 20%	8 - 10%	
MN-50 / Inconel	0,5 mm	420	>105	PTFE	15 - 20%		
MN-50 / Inconel	0,5 mm	460	>105	PTFE / oil	15 - 20%	8 - 10%	

type	diameter (ca.)	tex (g/1000 m)	coating	content coating	bobbin weight
HN-80	0,8 mm	830	PTFE (brown)	15%	7,5 kg
HN-100	1,0 mm	1500	PTFE (brown)	15%	7,5 kg
<b>SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD</b>					
HN-100	1,0 mm	1570	PTFE + V4A-wire	15%	8,0 kg
HN-100	1,0 mm	1570	PTFE (grey) + V4A-wire	15%	8,0 kg
HN-100	1,0 mm	1350	PU	6%	7,5 kg
HN-100	1,0 mm	1420	PU (grey) + V4A-wire	6%	5,0 kg
HN-100	1,0 mm	1420	PU + V4A-wire	6%	5,0 kg
<b>SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD</b>					
HN-150	1,5 mm	2900	PTFE (white)	15%	7,3 kg
HN-150	1,5 mm	2900	PTFE (brown)	15%	7,3 kg
<b>SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD - SEWING THREAD</b>					
HN-200	2,0 mm	4800	PTFE (brown)	10%	6,0 kg



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