

The Fibres and Their Characteristics

Our wide range of fibres, suitable for all requirements and areas of application

FIBRE TYPE*	BWF PROTEC DESIGNATION	TEMPERATURE RESISTANCE**		SPECIAL CHARACTERISTICS
		continuous	peaks	
		°C	°C	
Rayon /Viscose	ZW	80	94	high moisture absorbance
Polypropylene	PP	90	110	good chemical resistance
Polyethylene UHMW	DY	90	125	excellent mechanical properties
Wool	WO	94	110	natural fibre, absorbent
Polyamide	PA	110	115	abrasion-resistant and mechanically strong
Polyacrylnitrile	DT	125	140	resistant to hydrolysis and light, wheatherproof
Polyester	PE	150	180	high cost-effectiveness
Phenolic resin	KY	150	200	LOI 34, flame- and heat-resistant
Polyamidimide	KM	180	240	good temperature resistance
Polyimide	PI	180	240	LOI 36, excellent mechanical and thermal properties
Polyphenylene sulfide	PPS	190	200	good chemical and thermal resistance
Meta-aramide	NO/CO/NX	200	240	good temperature resistance
Preoxidised PAN	SFO	200	250	LOI 50, good temperature resistance, flame-retardant
Para-aramide	KR/TW/DARA	200	475	excellent mechanical properties, extremely resistant to contact heat
Polytetraflourethylene	TF/PTFE	250	280	excellent resistance to chemicals
Polybenzimidazole	PBI	300	450	LOI 40, excellent thermal resistance
P-phenylene-2.6-benzobisoxazole	PBO	350	550	superior mechanical properties, extremely resistant to contact heat
Metal	B	350	600	superior temperature resistance, electrically and thermally conductive