

TECAFIL PA6 GF30 black - Filament

Chemical Designation

PA 6 (Polyamide 6)

Colour

black

Density

1.36 g/cm³

Fillers

glass fibres

Main features

→ Standard spool body: OD Ø 200mm, width 55mm, Take up Ø52mm

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength	50 mm/min	155	MPa	DIN EN ISO 527-1	
Modulus of elasticity (tensile test)	50 mm/min	9200	MPa	DIN EN ISO 527-1	
Elongation at break (tensile test)	50 mm/min	4,2	%	DIN EN ISO 527-1	
Impact strength (Charpy)		55	kJ/m ²	DIN EN ISO 179-1eU	
<i>Thermal properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Glass transition temperature		5 / 60	°C	DIN 53765	1) (1) moist/dry
Melting temperature		220	°C	DIN 53765	
Service temperature	short term	180	°C	-	
Service temperature	long term	100	°C	-	
<i>Other properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Viscosity number		230	ml/g	DIN EN ISO 307	
<i>Predrying</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Permissible residual moisture content		< 0,1	%	-	
Drying temperature		80	°C	-	
Drying time		4-8	h	-	

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