TECAFIL PVDF natural - Filament

Chemical Designation
PVDF (Polyvinylidene fluoride)

Colour
white

Density
1.78 g/cm^3

Main features
- Standard spool body: OD Ø 200mm, width 55mm, Take up Ø52mm

Mechanical properties	parameter	value	unit	norm	comment
Tensile strength	50 mm/min	40	MPa	ASTM D 638	
Modulus of elasticity (tensile test)	50 mm/min	2100	MPa	DIN EN ISO 527-1	

Thermal properties	parameter	value	unit	norm	comment
Melting temperature		169	°C	-	
Service temperature	short term	160	°C	-	
Service temperature	long term	150	°C	-	

Other properties	parameter	value	unit	norm	comment
Melt flow index (MFI)	230 °C / 5 kg	7	g/10 min	DIN EN ISO 1133	

Processing parameter	parameter	value	unit	norm	comment
Material temperature		200 - 240	°C	-	

Predrying	parameter	value	unit	norm	comment
Permissible residual moisture content		< 0,04	%	-	
Drying temperature		80	°C	-	
Drying time		4	h	-	

- To achieve optimum mechanical properties, it is recommended to pre-dry the material with the above mentioned parameters.
- The filament should preferably be stored in dry, normal temperature rooms and protected from direct sunlight.

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