





Dexnyl[©] PEEK-SF Film_22

Technical Datasheet

BIEGLO PEEK-Film is a semi-crystalline thermoplastic film with high crystallinity made of Polyetheretherketone.

Main characteristics:	excellent radiation resistance excellent chemical and hydrolysis resistance excellent mechanical properties high thermostability opaque stress crack resistant FDA Food contact compliant

Physical Properties:

Density Glass Transition Temperature Crystalline Melting Point	ISO 1183 ISO 11357 -	g/cm³ °C °C	1,30 143 343
Mechanical Properties			
Yield Tensile Strength at 23°C Yield Tensile Elongation at 150°C Tensile Strength at 23°C Tensile Strength at 150°C Tensile Elongation at 23°C Tensile Elongation at 150°C Tensile Modulus Initial Tear Resistance Tear Propagation Resistance	ISO 527 ISO 527 ISO 527 ISO 527 ISO 527 ISO 527 ISO 527 EN 60674 ISO 8296	N/mm ² N/mm ² N/mm ² % N/mm ² N N/mm	90 35 130 80 170 300 3200 140 240
Electrical Properties			
Dielectric Constant at 1kHz/23°C	IEC 250 IEC 250	-	3,3 0,0013
Dissipation Factor 1kHZ 23°C Volume Resistivity	IEC 230	- Ohm.cm	0,0013 1017
Surface Resistivity	IEC 93	Ohm	10 15
Dielectric Strength	IEC 243	kv/mm	180
Thermal Properties			
Long-term service temperature Flammability Thermal expansion coefficient x10 ⁶ Thermal conductivity x10 ²	UL746B UL94 E831 DIN 52612	°C VTM/µ 1/°K W/mK	22 0 0/25 46 25



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