



PEEK Mod 80/50x3000 mm black

Article No.	P1501173
Category	PEEK

Technical Properties

Density & Weight

Property	Value	Unit	Test standard
Density	1.31	g/cm³	ISO 1183

Moisture Absorption

Property	Value	Unit	Test standard
Water absorption to saturation	0.2	%	ISO 62
Water Absorption to Saturation	0.45	%	ISO 62

Tensile Properties

Property	Value	Unit	Test standard
Tensile Strength	112	MPa	ISO527-2
Modulus of elasticity (tensile)	4400	MPa	ISO 527-2
Breakdown Voltage	67	MPa	ISO 527
Break Elongation	20	%	ISO 527-2

Flexural Properties

Property	Value	Unit	Test standard
Flexural Strength	110	MPa	ISO 527-2

Impact Resistance

Property	Value	Unit	Test standard
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Static spread

Property	Value	Unit	Test standard
Surface Resistivity	10 ¹³	Ω	IEC 60093
Comparative Tracking Index (CTI)	150	V	IEC 60112

Fire Classification

Property	Value	Unit	Test standard
Flammability Classification (UL 94)	0		UL 94