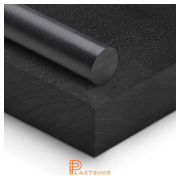

PEEK 85/25x3000 mm svart

Artikelnr P1500252
Kategori PEEK

Tekniska egenskaper

Density & Weight

Egenskap	VÃ□rde	Enhet	Provningsstandard
Density	1.31	g/cmÂ³	ISO 1183

Tensile Properties

Egenskap	VÃ□rde	Enhet	Provningsstandard
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

Temperature Limits

Egenskap	VÃ□rde	Enhet	Provningsstandard
Melting point	340	Â°C	ISO 3146
Maximal operating temperature (short-term)	291	Â°C	UL746B
Maximum Operating Temperature	245	Â°C	
Minimum temperature	-35	Â°C	
Heat deflection temperature (HDT/A)	160	Â°C	ISO 75-2
Heat deflection temperature (HDT/B)	240	Â°C	ISO 75
Vicat softening temperature (VST/B/50)	50	Â°C	ISO 306

Insulation Properties

Egenskap	VÃ□rde	Enhet	Provningsstandard

Egenskap	VÃ□rde	Enhet	Provningsstandard
Dielectric Strength	24	kV/mm	IEC 60243-1
Volume Resistivity	10Â¹â´	Î©Â·cm	IEC 60093
Dielectric Constant (1 MHz)	3.6	-	IEC 60250
Dielectric Constant (100 Hz)	3.2	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250

Fire Classification

Egenskap	VÃ□rde	Enhet	Provningsstandard
Flammability Classification (UL 94)	0		UL 94

Flexural Properties

Egenskap	VÃ□rde	Enhet	Provningsstandard
Flexural Strength	110	MPa	ISO 527-2

Thermal Conductivity

Egenskap	VÃ□rde	Enhet	Provningsstandard
Thermal Conductivity	0.25	W/(mÂ·K)	DIN 52612

Static spread

Egenskap	VÃ□rde	Enhet	Provningsstandard
Surface Resistivity	10Â¹Â³	Î©	IEC 60093
Comparative Tracking Index (CTI)	150	V	IEC 60112

Moisture Absorption

Egenskap	VÃ□rde	Enhet	Provningsstandard
Water absorption to saturation	0.2	%	ISO 62
Water Absorption to Saturation	0.45	%	ISO 62

Impact Resistance

Egenskap	VÃ□rde	Enhet	Provningsstandard
Notched impact strength (Charpy)	3.5	kJ/mÂ²	ISO 179/1eA
Impact Resistance (Charpy)	92	kJ/mÂ²	ISO179/1eU

Thermal Expansion

Egenskap	VÃ□rde	Enhet	Provningsstandard

Egenskap	VÃ□rde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.5	10â»â´/K	DIN 11359

Hardness

Egenskap	VÃ□rde	Enhet	Provningsstandard
Hardness Shore D	90	Â° Shore D	DIN EN ISO 868
Ball pressure hardness	230	MPa	ISO 2039-1

GodkÃ¤nnanden

EU 10/2011 | FDA | REACH | RoHS | UL 94

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