

770CA30

PEEK-X

DREYPLAS GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	25000	MPa	ISO 527
Yield stress	260	MPa	ISO 527
Strain at break	6.4	%	ISO 527
Flexural modulus, 23°C	23000	MPa	ISO 178
Flexural strength	380	MPa	ISO 178
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	45	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	14.9	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	343	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	143	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	336	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	5	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Density	1400	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

Europe

Delivery form

Powder