

KEBAPEAK PEEK XS1700

PEEK

Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-
Molding shrinkage, parallel	1.0	%	ISO 294-4, 2577
Molding shrinkage, normal	1.3	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	3500	MPa	ISO 527
Stress at break	95	MPa	ISO 527
Strain at break	45	%	ISO 527
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8.5	kJ/m ²	ISO 179/1eA
Shore D hardness	85	-	ISO 7619-1
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	343	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	150	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	45	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Electric strength	23	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112
Other properties			
Water absorption	0.3	%	Sim. to ISO 62
Humidity absorption	0.07	%	Sim. to ISO 62
Density	1300	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

Heat stabilized or stable to heat

Features

Tribologic Grade

Chemical Resistance

General Chemical Resistance

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical, Encapsulation, Medical

Regional Availability

Europe