

KEBAPEAK PEEK XC1730

PEEK-CF30

Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	23500	MPa	ISO 527
Stress at break	220	MPa	ISO 527
Charpy impact strength, +23°C	45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6.5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	343	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	310	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1000	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Water absorption	0.04	%	Sim. to ISO 62
Density	1400	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

Heat stabilized or stable to heat

Features

Tribologic Grade

Applications

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

Regional Availability

Europe