

## Barlog Plastics KEBAPEAK XS1700 PEEK, unreinforced

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Unreinforced

**Material Notes:**

PEEK Information provided by BARLOG plastics GmbH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Barlog-Plastics-KEBAPEAK-XS1700-PEEK-unreinforced.php](http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBAPEAK-XS1700-PEEK-unreinforced.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.070 %	0.070 %	similar to ISO 62 test
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Modulus	3.10 GPa	450 ksi	ISO 527-1
Charpy Impact, Notched	1.05 J/cm <sup>2</sup>	5.00 ft-lb/in <sup>2</sup>	ISO 179-1eA

Thermal Properties	Metric	English	Comments
Melting Point	343 °C	649 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	150 °C	302 °F	ISO 75-1/-2
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093

Descriptive Properties	Value	Comments
Resin Type	PEEK	

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