

**KEBAPEAK PEEK XS1300**

PEEK

Barlog plastics GmbH

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>1.0</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>1.3</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>3600</b>	MPa	ISO 527
Yield stress	<b>100</b>	MPa	ISO 527
Yield strain	<b>8.5</b>	%	ISO 527
Charpy impact strength, +23°C	<b>100</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>5.5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>343</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>156</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E16</b>	Ohm*m	IEC 62631-3-1
<b>Other properties</b>			
Density	<b>1300</b>	kg/m <sup>3</sup>	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