

**Polybest 66 PD**

PA66

Polyma Kunststoff GmbH &amp; Co.KG

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>3200</b>	MPa	ISO 527
Yield stress	<b>85</b>	MPa	ISO 527
Yield strain	<b>5</b>	%	ISO 527
Strain at break	<b>60</b>	%	ISO 527
Izod impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>5</b>	kJ/m <sup>2</sup>	ISO 180/1A

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>260</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>90</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>210</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>V-2</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-
Burning behav. at thickness h	<b>V-2</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
Glow Wire Flammability Index (GWFI)	<b>960</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>2</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>725</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>2</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Comparative tracking index	<b>600</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	<b>1.2</b>	%	Sim. to ISO 62
Density	<b>1140</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>90 - 100</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Melt temperature	<b>260 - 280</b>	°C	-
Mold temperature	<b>70 - 90</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Additives**

Release agent

**Regional Availability**

Europe