

**Polybest 66 PD V0**

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>3450</b>	MPa	ISO 527
Yield stress	<b>75</b>	MPa	ISO 527
Yield strain	<b>3.5</b>	%	ISO 527
Strain at break	<b>30</b>	%	ISO 527
Izod notched impact strength	<b>4</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>250</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>88</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>220</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-
Burning behav. at thickness h	<b>V-0</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	-

<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>1.1</b>	%	Sim. to ISO 62
Density	<b>1180</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>270 - 290</b>	°C	-
Mold temperature	<b>80 - 90</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Flame retardant, Halogen-free, Phosphorus-free