

Polybest 66 PD GF50 HSL

PA66-GF50

Polyma Kunststoff GmbH & Co.KG

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14000	MPa	ISO 527
Yield stress	220	MPa	ISO 527
Yield strain	2	%	ISO 527
Stress at break	220	MPa	ISO 527
Strain at break	2	%	ISO 527
Izod impact strength, +23°C	100	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	11	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	255	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Glow Wire Flammability Index (GWFI)	750	°C	IEC 60695-2-12
GWFI - thickness tested (1)	3	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	500	-	IEC 60112

Other properties	Value	Unit	Test Standard
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1570	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	3	h	-
Melt temperature	280 - 290	°C	-
Mold temperature	80 - 100	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat