

**Polytron® A60B01**

PA66-GLF60

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	21500	MPa	ISO 527
Tensile Strength	225	MPa	ISO 527
Strain at break	1.3	%	ISO 527
Flexural modulus, 23°C	20000	MPa	ISO 178
Flexural strength	400	MPa	ISO 178
Charpy impact strength, +23°C	80	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	30	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	260	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	253	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	3	%	Sim. to ISO 62
Humidity absorption	1	%	Sim. to ISO 62
Density	1700	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	90 - 120	°C	-
Zone 1	290 - 300	°C	-
Zone 2	290 - 300	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Chemically Coupled Reinforcement, Long fiber reinforced

**Certifications**

RoHS compliant

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa