

**Polytron® P20B01**

PP-GLF20

Polyram

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.1</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.5</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>5700</b>	MPa	ISO 527
Tensile Strength	<b>90</b>	MPa	ISO 527
Strain at break	<b>2.5</b>	%	ISO 527
Flexural modulus, 23°C	<b>5300</b>	MPa	ISO 178
Flexural strength	<b>140</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>40</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>15</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>168</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>150</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>158</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>3.0</b>	mm	-
<b>Other properties</b>			
Density	<b>1030</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Mold temperature	<b>50 - 70</b>	°C	-
Zone 1	<b>230 - 250</b>	°C	-
Zone 2	<b>230 - 250</b>	°C	-
Zone 3	<b>230 - 250</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Certifications**

RoHS compliant

**Delivery form**

Pellets, Black

**Applications**

Automotive

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

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

**Features**

Chemically Coupled Reinforcement, Long fiber reinforced