

**RamOfin PPH300G4NT**

PP-GF20

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>6.4</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Other Standards<sup>[S]</sup></b>			
Molding shrinkage, parallel	<b>0.3</b>	%	Producer Method
Molding shrinkage, normal	<b>0.8</b>	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>4800</b>	MPa	ISO 527
Tensile Strength	<b>78</b>	MPa	ISO 527
Strain at break	<b>3.4</b>	%	ISO 527
Flexural modulus, 23°C	<b>3800</b>	MPa	ISO 178
Flexural strength	<b>125</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>11</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>8.4</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-30</b>	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>140</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>155</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	-
Burning rate, FMVSS, Thickness 1 mm	<b>100</b>	mm/min	ISO 3795 (FMVSS 302)

Other properties	Value	Unit	Test Standard
Density	<b>1030</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Mold temperature	<b>30 - 70</b>	°C	-
Feed temperature	<b>60 - 70</b>	°C	-
Zone 1	<b>200 - 230</b>	°C	-
Zone 2	<b>200 - 230</b>	°C	-
Zone 3	<b>200 - 250</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Features**

Homopolymer

**Certifications**

RoHS compliant

**Regional Availability**

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