

**RamOfin PPH300G4NTA**

PP-GF20

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	5.8	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>Other Standards<sup>[S]</sup></b>			
Molding shrinkage, parallel	0.3	%	Producer Method
Molding shrinkage, normal	0.8	%	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	4800	MPa	ISO 527
Tensile Strength	81	MPa	ISO 527
Strain at break	3.6	%	ISO 527
Flexural modulus, 23°C	4200	MPa	ISO 178
Flexural strength	127	MPa	ISO 178
Izod notched impact strength, +23°C	11.2	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	138	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	155	°C	ISO 75-1/-2

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

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

**Characteristics****Processing**

Injection Molding

**Delivery form**

Natural Color

**Features**

Homopolymer

**Certifications**

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, RoHS compliant

**Regional Availability**

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