

**RamOfin PPH305G6BK11**

PP-GF30

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>Other Standards<sup>[5]</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	6300	MPa	ISO 527
Tensile Strength	80	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	5800	MPa	ISO 178
Flexural strength	151	MPa	ISO 178
Charpy impact strength, +23°C	46	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	44	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	7.5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	10.5	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	8.5	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	140	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	155	°C	ISO 75-1/-2
Burning rate, FMVSS, Thickness 1 mm	80	mm/min	ISO 3795 (FMVSS 302)

Electrical properties	Value	Unit	Test Standard
<b>Other Standards<sup>[5]</sup></b>			
Surface resistivity	12	Ohm	DIN 53482

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

Other properties	Value	Unit	Test Standard
Density	1140	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

**Features**

Homopolymer

**Delivery form**

Black

**Applications**

Automotive

**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

**Regional Availability**

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