

RamOfin PPH308G8GR28

PP-GF40

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
Other Standards^{S1}			
Molding shrinkage, parallel	0.1	%	Producer Method
Molding shrinkage, normal	0.5	%	Producer Method

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8800	MPa	ISO 527
Tensile Strength	94	MPa	ISO 527
Strain at break	3.4	%	ISO 527
Flexural modulus, 23°C	7900	MPa	ISO 178
Flexural strength	135	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	14	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	15.5	kJ/m ²	ISO 180/1A
Izod notched impact strength	12	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	150	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	160	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1230	kg/m ³	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	190 - 225	°C	-
Zone 2	190 - 225	°C	-
Zone 3	190 - 245	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

Features

Homopolymer

Certifications

Food contact, Drinking water contact, Drinking water contact NSF 61, RoHS compliant

Regional Availability

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