

RamOfin PPC705BK11H

PP

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	0.55	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Other Standards^[S]			
Molding shrinkage, parallel	1.5	%	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	1550	MPa	ISO 527
Tensile Strength	30	MPa	ISO 527
Yield strain	8.5	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Flexural strength	45	MPa	ISO 178
Charpy notched impact strength, +23°C	70	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.3	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	53	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	920	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-

Characteristics**Processing**

Injection Molding, Pipe/Tube Extrusion, Other Extrusion

Delivery form

Black

Special Characteristics

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

Features

Copolymer

CertificationsFood 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