

RamOfin PPH343T4BK10-1

PP-T20

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Other Standards^[S]			
Molding shrinkage, parallel	0.9	%	Producer Method
Molding shrinkage, normal	1.1	%	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	2400	MPa	ISO 527
Tensile Strength	33	MPa	ISO 527
Yield strain	5	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	50	MPa	ISO 178
Charpy impact strength, +23°C	35	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	14	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	1.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	3	kJ/m ²	ISO 180/1A
Izod notched impact strength	2	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
ASTM Data			
Izod Impact notched, 1/8 in	24	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	22	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	163	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	70	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	110	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)

Other properties	Value	Unit	Test Standard
Density	1060	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	200 - 230	°C	-
Zone 2	200 - 230	°C	-
Zone 3	200 - 250	°C	-

Characteristics**Processing**

Injection Molding

Features

Homopolymer

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Polyram

Delivery form

Black

Certifications

RoHS compliant

Special Characteristics

Heat stabilized or stable to heat

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