

RamSter PF300G6BK11

PBT-GF30

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Other Standards^[S]			
Molding shrinkage, parallel	0.3	%	Producer Method
Molding shrinkage, normal	1.0	%	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	9700	MPa	ISO 527
Tensile Strength	128	MPa	ISO 527
Strain at break	2.85	%	ISO 527
Flexural modulus, 23°C	8300	MPa	ISO 178
Flexural strength	210	MPa	ISO 178
Charpy impact strength, -30°C	74	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	7	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	12	kJ/m ²	ISO 180/1A
Izod notched impact strength	12	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-
ASTM Data			
Izod Impact notched, Low-Temperature	84	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	200	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220	°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
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1520	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.04	%	-
Mold temperature	70 - 90	°C	-
Feed temperature	40 - 60	°C	-
Zone 1	245 - 255	°C	-
Zone 2	245 - 255	°C	-
Zone 3	250 - 260	°C	-

Characteristics**Processing**

Injection Molding

Certifications

RoHS compliant

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Polyram

Delivery form

Black

Applications

Automotive

Special Characteristics

U.V. stabilized or stable to weather

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