

**RamSter PF312G6BK10**

PBT-GF30

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>Other Standards<sup>S1</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	9250	MPa	ISO 527
Tensile Strength	125	MPa	ISO 527
Strain at break	2.9	%	ISO 527
Flexural modulus, 23°C	8400	MPa	ISO 178
Flexural strength	186	MPa	ISO 178
Charpy notched impact strength, +23°C	11.5	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	195	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1530	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
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

**Delivery form**

Black

**Applications**

Automotive

**Special Characteristics**

High impact or impact modified

**Regional Availability**

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