RamShine PV300G6NT

ABS-GF30 Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**7**	g/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
Other Standards[S]			
Molding shrinkage, parallel	**0.1**	%	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	**9100**	MPa	ISO 527
Tensile Strength	**90**	MPa	ISO 527
Strain at break	**1.5**	%	ISO 527
Flexural modulus, 23°C	**8900**	MPa	ISO 178
Flexural strength	**170**	MPa	ISO 178
Charpy impact strength, +23°C	**30**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**8**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**7.5**	kJ/m²	ISO 180/1A
ASTM Data			
Izod Impact notched, 1/8 in	**72**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**100**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**103**	°C	ISO 75-1/-2
Burning rate, FMVSS, Thickness 1 mm	**100**	mm/min	ISO 3795 (FMVSS 302)

Other properties	Value	Unit	Test Standard
Density	**1270**	kg/m³	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	**60 - 90**	°C	-
Feed temperature	**60 - 70**	°C	-
Zone 1	**240 - 260**	°C	-
Zone 2	**240 - 260**	°C	-
Zone 3	**240 - 260**	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Natural Color

Regional Availability

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