RamSter PF702NT

PBT — Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**22**	g/10min	ISO 1133
Temperature	**250**	°C	-
Load	**2.16**	kg	-
Other Standards[S]			
Molding shrinkage, parallel	**2.0**	%	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	**2750**	MPa	ISO 527
Tensile Strength	**60**	MPa	ISO 527
Strain at break	**24**	%	ISO 527
Flexural modulus, 23°C	**2600**	MPa	ISO 178
Flexural strength	**95**	MPa	ISO 178
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**5.5**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**3**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**4.3**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**60**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**130**	°C	ISO 75-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	-

Other properties	Value	Unit	Test Standard
Humidity absorption	**0.25**	%	Sim. to ISO 62
Density	**1300**	kg/m³	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	**235 - 255**	°C	-
Zone 2	**235 - 255**	°C	-
Zone 3	**240 - 260**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Natural Color

Special Characteristics
U.V. stabilized or stable to weather

Certifications
RoHS compliant

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