RamOfin PPH501G4WT222

PP-GF20 Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
Other Standards[S]			
Molding shrinkage, parallel	**0.3**	%	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	**5500**	MPa	ISO 527
Tensile Strength	**80**	MPa	ISO 527
Strain at break	**3.5**	%	ISO 527
Flexural modulus, 23°C	**5000**	MPa	ISO 178
Flexural strength	**126**	MPa	ISO 178
Izod notched impact strength, +23°C	**9**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**138**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**154**	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	-
Glow Wire Flammability Index (GWFI)	**850**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**1.5**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1170**	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	**30 - 70**	°C	-
Feed temperature	**60 - 70**	°C	-
Zone 1	**190 - 210**	°C	-
Zone 2	**200 - 220**	°C	-
Zone 3	**220 - 245**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Natural Color

Special Characteristics
Flame retardant, Halogen-free

Features
Homopolymer

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