Polytron® P20N07

PP-GLF20 Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.1**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.5**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**5700**	MPa	ISO 527
Tensile Strength	**90**	MPa	ISO 527
Strain at break	**2.5**	%	ISO 527
Flexural modulus, 23°C	**5300**	MPa	ISO 178
Flexural strength	**140**	MPa	ISO 178
Charpy impact strength, +23°C	**40**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**15**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**168**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**150**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**158**	°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
Density	**1030**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Mold temperature	**50 - 70**	°C	-
Zone 1	**230 - 250**	°C	-
Zone 2	**230 - 250**	°C	-
Zone 3	**230 - 250**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Natural Color

Special Characteristics
U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features
Chemically Coupled Reinforcement, Long fiber reinforced

Certifications
RoHS compliant

Applications
Automotive

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