Polytron® P30B06LE

PP-GLF30 Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.5**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**7000**	MPa	ISO 527
Tensile Strength	**110**	MPa	ISO 527
Flexural modulus, 23°C	**6600**	MPa	ISO 178
Flexural strength	**160**	MPa	ISO 178
Charpy impact strength, +23°C	**60**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**22**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**165**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**157**	°C	ISO 75-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	-
Burning rate, FMVSS, Thickness 1 mm	**100**	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	**750**	°C	IEC 60695-2-12

Other properties	Value	Unit	Test Standard
Density	**1120**	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, Black

Features
Chemically Coupled Reinforcement, Long fiber reinforced, Low Emission

Chemical Resistance
Oxidation Resistance

Certifications
RoHS compliant

Applications
Automotive

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