Polytron® P30B0387S-TBK7

PP-GLF30 Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.1**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.2**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**6100**	MPa	ISO 527
Tensile Strength	**80**	MPa	ISO 527
Strain at break	**2.3**	%	ISO 527
Flexural modulus, 23°C	**5200**	MPa	ISO 178
Flexural strength	**140**	MPa	ISO 178
Charpy impact strength, +23°C	**50**	kJ/m²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**162**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**156**	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	**1100**	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

Special Characteristics
High impact or impact modified, U.V. stabilized or stable to weather

Features
Chemically Coupled Reinforcement, Long fiber reinforced

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