

Polytron® P30B038-02

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	6250	MPa	ISO 527
Tensile Strength	97	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	5500	MPa	ISO 178
Flexural strength	155	MPa	ISO 178
Charpy impact strength, +23°C	58	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	66	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	28	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	24	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	156	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	163	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1100	kg/m ³	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, 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