

Polytron® P40B01-S

PP-GLF40

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10000	MPa	ISO 527
Tensile Strength	125	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	9000	MPa	ISO 178
Flexural strength	190	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20	kJ/m ²	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	157	°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	1220	kg/m ³	ISO 1183

Characteristics**Delivery form**

Pellets, Black

Certifications

RoHS compliant

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Features

Chemically Coupled Reinforcement, Long fiber reinforced

Regional Availability

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