

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Chemically Coupled		
Uses	• Automotive Applications		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	72.4	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength (Yield)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	85	J/m	
23°C, 6.35 mm	75	J/m	
Unnotched Izod Impact			ASTM D256
23°C, 3.18 mm	610	J/m	
23°C, 6.35 mm	420	J/m	
Gardner Impact (23°C)	1.13	J	ASTM D3029
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	95		
Shore D	77		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	160	°C	
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	146	°C	

Notes

¹ Typical properties: these are not to be construed as specifications.