



Primefin V500/20

Polypropylene Homopolymer
Engineering Plastics

Product Description

20% Glass Fiber Reinforced, Homopolymer Polypropylene

Colors Available
Meets GMP.PP.004

General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Homopolymer
Appearance	• Colors Available

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in (3.18 mm))	4.0E-3 in/in	0.40 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	7000 psi	48.3 MPa	ASTM D638
Tensile Elongation (Break)	3.0 %	3.0 %	ASTM D638
Flexural Modulus	500000 psi	3450 MPa	ASTM D790
Flexural Strength	7800 psi	53.8 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	1.0 ft·lb/in	53 J/m	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	245 °F	118 °C	ASTM D648

Notes

These are typical property values not to be construed as specification limits.