

Technical Data Sheet

Primefin V500MI20

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description

20% Mica Reinforced, Chemically Coupled Homopolymer Polypropylene

Colors Available
Meets GMP.PP.059

General

Filler / Reinforcement	• Mica, 20% Filler by Weight	
Features	• Chemically Coupled	• Homopolymer
Appearance	• Colors Available	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	13 g/10 min	13 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	4500 psi	31.0 MPa	ASTM D638
Tensile Elongation (Break)	10 %	10 %	ASTM D638
Flexural Modulus	330000 psi	2280 MPa	ASTM D790
Flexural Strength	7000 psi	48.3 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	190 °F	87.8 °C	ASTM D648

Notes

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