

## Technical Data Sheet

# Primefin V500MI12

Polypropylene Homopolymer  
LyondellBasell Industries  
Engineering Plastics

### Product Description

12% Mica Reinforced, Chemically Coupled, Homopolymer Polypropylene

Colors Available  
Meets GMP.PP.031

### General

|                        |                              |               |
|------------------------|------------------------------|---------------|
| Filler / Reinforcement | • Mica, 12% Filler by Weight |               |
| Features               | • Chemically Coupled         | • Homopolymer |
| Appearance             | • Colors Available           |               |

| Physical                                                           | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|--------------------------------------------------------------------|-------------------------|-------------------------|-------------|
| Density / Specific Gravity                                         | 1.00                    | 0.998 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)                          | 8.0 g/10 min            | 8.0 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                                                   | 280000 psi              | 1930 MPa                | ASTM D790   |
| Flexural Strength                                                  | 5200 psi                | 35.9 MPa                | ASTM D790   |
| Impact                                                             | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Notched Izod Impact (0.125 In (3.18 Mm))                           | 0.90 ft·lb/in           | 48 J/m                  | ASTM D256   |
| Thermal                                                            | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Deflection Temperature Under Load<br>264 Psi (1.8 Mpa), Unannealed | 160 °F                  | 71.1 °C                 | ASTM D648   |

### Notes

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