

## Technical Data Sheet

# POLYTROPE® TPP 293

Thermoplastic Polyolefin Elastomer  
Engineering Plastics

### Product Description

TPO 3% Glass Fiber

### General

- |                        |                                      |
|------------------------|--------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 3.0% Filler by Weight |
| Processing Method      | • Injection Molding                  |

| Physical                                | Nominal Value (English) | Nominal Value (SI)      | Test Method     |
|-----------------------------------------|-------------------------|-------------------------|-----------------|
| Density / Specific Gravity              | 0.942                   | 0.940 g/cm <sup>3</sup> | ASTM D792       |
| Molding Shrinkage - Flow <sup>1</sup>   | 9.5E-3 in/in            | 0.95 %                  | Internal Method |
| Mechanical                              | Nominal Value (English) | Nominal Value (SI)      | Test Method     |
| Tensile Strength <sup>2</sup> (Yield)   | 3650 psi                | 25.2 MPa                | ASTM D638       |
| Tensile Elongation <sup>2</sup> (Break) | 680 %                   | 680 %                   | ASTM D638       |
| Flexural Modulus <sup>3</sup>           | 105000 psi              | 724 MPa                 | ASTM D790       |
| Hardness                                | Nominal Value (English) | Nominal Value (SI)      | Test Method     |
| Durometer Hardness (Shore D)            | 59                      | 59                      | ASTM D2240      |
| Additional Information                  | Nominal Value (English) | Nominal Value (SI)      | Test Method     |
| Filler Content                          | 5.0 %                   | 5.0 %                   | ASTM D5630      |

### Notes

<sup>1</sup> 5x7 in plaque

<sup>2</sup> 2.0 in/min (50 mm/min)

<sup>3</sup> 0.051 in/min (1.3 mm/min)

### Notes

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