

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 ³	ASTM D792
Molding Shrinkage - Flow ¹	9.5E-3 in/in	0.95 %	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	3650 psi	25.2 MPa	ASTM D638
Tensile Elongation ² (Break)	680 %	680 %	ASTM D638
Flexural Modulus ³	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

¹ 5x7 in plaque

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)

Notes

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