

Technical Data Sheet



Polytrope TPP 508U

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries
Engineering Plastics

Product Description

Polytrope TPP 508U is an Unfilled, UV Stabilized Polypropylene

General

Material Status	• Commercial: Active
Availability	• North America
Features	• General Purpose • UV Stabilized
Appearance	• Colors Available
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.890	0.888 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	13 g/10 min	13 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	8050 psi	55.5 MPa	ASTM D638
Tensile Strength (Yield)	2350 psi	16.2 MPa	ASTM D638
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness ¹	95	95	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	196 °F	91.0 °C	ASTM D648

Notes

¹ Shore A (15 sec dwell)

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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