

T00G-00 Thermoplastic Polyolefin (TPO)

T00G-00 is a fractional MFR TPO designed for the roofing membrane market. Its blend of impact resistance and flexural modulus is designed to provide an excellent balance between processing and performance. T00G-00 meets FDA requirements of 21CFR 177.1520(c), 3.4.

Applications

- Automotive
- Appliances
- Building and Construction
- Medical
- Consumer Goods
- Electrical

Suggested Applications:

Interior Accessories, mats, cup holders, roofing membranes, house wraps, window and door seals, physical fitness equipment, belts, grips, seals, bumpers, buttons, feet, tubing, syringe plunger tip, connectors, electrical shields, and/or cable jacketing.

Benefits

- Toughness
- Excellent Elongation
- Good Electrical Properties
- Consistent Process Properties
- Soft Touch
- Good Load Deflection
- Consistent Process Ability
- FDA Compliant
- Good MD and TD Tear Strength
- Good Welding Properties
- Flexible Within A Wide Range Of Temperatures

Typical Properties¹

Resin	Values	ASTM Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	0.6	D1238
Injection Molded Sample		
Tensile at 23°C		
Strength at Yield, psi (MPa)	1,230 (8.4)	D638
Elongation at Break, %	>500	D638
Flexural Modulus, at 23°C, kpsi (MPa)	25 (173)	D790A
Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)	114 (45.5)	D648
Izod Impact Strength		
1/8" (3 mm) notched bar at 23°C, ft-lb/in (J/m)	No Break	D256
1/8" (3 mm) notched bar at -20°C, ft-lb/in (J/m)	13.5 (720)	D256
Hardness, Shore D Instantaneous	49	D2240

¹ Typical properties will vary within specification limits.

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, click on “RPS” on our website www.ineos-op.com, for the Regulatory Position Statement, or call + 1-800-527-5419.

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