

T00G-00

THERMOPLASTIC OLEFIN (TPO)

TECHNICAL DATASHEET

Product Description

T00G-00 is a fractional MFR TPO grade designed for extruded roofing membrane products. It offers an excellent balance of processing performance with impact strength and flexibility. Typical applications include roofing membranes, geomembranes, mats, and other products that require flexibility and toughness. T00G-00 meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.¹

Typical Properties²

Property	English Units	SI Units	ASTM Method
Resin Properties			
Density		0.870 g/cc	D792
Melt Flow Rate (230°C/2.16 kg)		0.6 g/10 min	D1238
Injection Molded Specimen Test			
Tensile Strength @ Yield	1,200 psi	8.3 MPa	D638
Tensile Elongation @ Break	>500 %	>500 %	D638
Flexural Modulus, 1% Secant Method	25,000 psi	172 MPa	D790A
Notched Izod Impact Strength			D256
@ 23°C	8.0 ft-lb _f /in	430 J/m	
@ -20°C	13.5 ft-lb _f /in	721 J/m	
Hardness, Shore D	52	52	D2240
Deflection Temperature @ 66 psi (455 kPa)	114 °F	46 °C	D648

¹ Consult the Regulatory Position Statement for specific use conditions and limitations.

² Typical property values will vary and are not to be used as specification limits.

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, please refer to the Regulatory Position Statement (RPS) online at www.ineos-op.com, or call + 1-800-527-5419.

Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Safety Data Sheet (SDS) contains the available product health and safety information for this material and can be found at www.ineos-op.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

The Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS O&P is altered or modified, different shipping descriptions may apply and the SDS of the original material should not be used.

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