

# T00G-00 Thermoplastic Olefin (TPO)

T00G-00 is a fractional melt flow 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. Typical applications include roofing membranes, geomembranes, mats, and applications that require flexibility and strength. T00G-00 meets FDA requirements of 21 CFR 177.1520.

## Typical Properties<sup>1</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.871 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	0.6 g/10 min	D1238
<b>Injection Molded Sample</b>			
Tensile Strength (2 in/min)			D638
@ Yield	1,226 psi	8.4 MPa	
@ Break	1,561 psi	10.7 MPa	
Elongation (2 in/min)			D638
@ Yield	37.7%	37.7%	
@ Break	616%	616%	
Flexural Modulus			D790A
1% Secant	25,000 psi	185 MPa	
Notched Izod Impact Strength			D256
@ 23 C	8.1 ft-lbf/in	42.4 kJ/m <sup>2</sup>	
@ - 20 C	13.5 ft-lbf/in	71.0 kJ/m <sup>2</sup>	
Hardness			D785
Shore D	52	52	
Deflection Temperature			D648
@ 66 psi (455 kPa)	114 F	46 C	

<sup>1</sup> Typical properties will vary and are not to be used for specifications.

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## Regulatory Information

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## Health and Safety Information

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

The Material 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 MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

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