

T10G-03 Thermoplastic Olefin (TPO)

T10G-03 is a higher 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 membrane, compounding, and applications that require flexibility and strength. T10G-03 meets FDA requirements of 21CFR 177.1520.¹

Typical Properties²

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.884 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	10 g/10 min	D1238
Injection Molded Sample			
Tensile Properties (2 in/min)			D638
Stress @ Yield	1,600 psi	11.0 MPa	
Elongation @ Break	>1,000%	>1,000%	
Flexural Modulus			D790A
1% Secant	43,000 psi	300 MPa	
Notched Izod Impact Strength			D256
@ 23°C	10.0 ft-lbf/in	52.3 kJ/m ²	
@ - 20°C	13.0 ft-lbf/in	68.2 kJ/m ²	
Hardness			D2240
Shore D	53	53	
Deflection Temperature			D648
@ 66 psi (455 kPa)	122°F	50°C	

¹ Consult the T10G-03 Regulatory Position Statement for more information.

² Typical properties will vary and are not to be used for specifications.

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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, 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 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. 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.

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