

T00G-02 Thermoplastic Olefin (TPO) Datasheet

T00G-02 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 membrane, geomembranes, mats, and applications that require flexibility and strength. T00G-02 meets FDA requirements of 21 CFR 177.1520.

Typical Properties¹

	Values		ASTM Method
	English Units	SI Units	
Resin			
Density	—	0.875 g/cc	D792
Melt Flow Rate 230°C/2.16 kg	—	0.6 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	914 psi	6.3 MPa	
@ Break	1,490 psi	10.2 MPa	
Elongation (2 in/min)			D638
@ Yield	193%	193%	
@ Break	814%	814%	
Flexural Modulus			D790A
1% Secant	16,400 psi	113 MPa	
Notched Izod Impact Strength			D256
@ 23 C	6.5 ft-lbf/in	33.9 kJ/m ²	
@ - 20 C	11.3 ft-lbf/in	59.3 kJ/m ²	
Hardness			D2240
Shore D	43.8	43.8	
Deflection Temperature			D648
@ 66 psi (455 kPa)	105 F	40.6 C	

¹ Typical properties will vary and are not to be used for specifications.

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