

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