

T10G-03

THERMOPLASTIC OLEFIN (TPO)

**TECHNICAL
DATASHEET**

Product Description

T10G-03 is a higher MFR TPO grade designed for the roofing membrane market. Its combination of processability, impact strength and flexibility make it ideal for roofing membranes and compounding. T10G-03 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		0.880 g/cc	D792
Melt Flow Rate (230°C/2.16 kg)		10 g/10 min	D1238
Injection Molded Specimen Test			
Tensile Strength @ Yield	1600 psi	11.0 MPa	D638
Tensile Elongation @ Break	>1000 %	>1000 %	D638
Flexural Modulus, 1% Secant Method	43,000 psi	300 MPa	D790A
Notched Izod Impact Strength			D256
	@ 23°C	10 ft-lb/in	530 J/m
@ -20°C	13 ft-lb/in	690 J/m	
Hardness, Shore D	53	53	D2240
Deflection Temperature @ 66 psi (455 kPa)	120 °F	50 °C	D648