

INEOS PP T00G-00

Compounded Polypropylene

INEOS Olefins & Polymers USA

Message:

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.

General Information			
Features	Food Contact Acceptable		
	Good Flexibility		
	Good Strength		
Uses	Geo Membranes		
	Membranes		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact Manufacturer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.871	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	8.45	MPa	
Break	10.8	MPa	
Tensile Elongation ²			ASTM D638
Yield	38	%	
Break	620	%	
Flexural Modulus - 1% Secant	172	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	720	J/m	
23°C	430	J/m	
Notched Izod Impact (Area)			ASTM D256
-20°C	71.0	kJ/m ²	

23°C	42.4	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	45.6	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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