

INEOS PP T10G-03

Compounded Polypropylene

INEOS Olefins & Polymers USA

Message:

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.

General Information			
Features	Good strength		
	Good flexibility		
	Compliance of Food Exposure		
Uses	Composite		
	Membrane		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.884	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	10.7	MPa	ASTM D638
Fracture	19.7	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield	23	%	ASTM D638
Fracture	1200	%	ASTM D638
Flexural Modulus - 1% Secant	300	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	690	J/m	ASTM D256
23°C	530	J/m	ASTM D256
Notched Izod Impact			ASTM D256
-20°C	68.2	kJ/m ²	ASTM D256


23°C	52.3	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	50.0	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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