



INEOS PP T10G-03

INEOS Olefins & Polymers USA - Compounded Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

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

Material Status	• Commercial: Active
Availability	• North America
Features	• Food Contact Acceptable • Good Flexibility • Good Strength
Uses	• Compounding • Membranes
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
RoHS Compliance	• Contact Manufacturer
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.886		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	1550	psi	ASTM D638
Tensile Strength ² (Break)	2860	psi	ASTM D638
Tensile Elongation ² (Yield)	23	%	ASTM D638
Tensile Elongation ² (Break)	1200	%	ASTM D638
Flexural Modulus - 1% Secant	43500	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-4°F	13	ft-lb/in	
73°F	10	ft-lb/in	
Notched Izod Impact (Area)			ASTM D256
-4°F	32.5	ft-lb/in ²	
73°F	24.9	ft-lb/in ²	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	122	°F	ASTM D648

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min