INEOS PP T00G-02

INEOS Olefins & Polymers USA - Compounded Polypropylene

Tuesday, November 5, 2019

General Information

Product Description

T00G-02 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 membrane, geomembranes, mats, and applications that require flexibility and strength. T00G-02 meets FDA requirements of 21 CFR 177.1520.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• Food Contact Acceptable	• Good Flexibility	• Good Impact Resistance
Uses	• Geo Membranes	• 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	0.877		ASTM D792
Melt Mass-Flow Rate (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, Injection Molded)	914	psi	ASTM D638
Tensile Strength [2] (Break, Injection Molded)	1480	psi	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	190	%	ASTM D638
Tensile Elongation [2] (Break, Injection Molded)	810	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	16400	psi	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-4°F, Injection Molded	11	ft·lb/in	
73°F, Injection Molded	6.5	ft·lb/in	
Notched Izod Impact (Area)			ASTM D256
-4°F, Injection Molded	28.2	ft·lb/in²	
73°F, Injection Molded	16.1	ft·lb/in²	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, Injection Molded)	44		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	105	°F	

Notes

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

[2] 2.0 in/min