

Solvay Engineered Polymers INDURE™ X190 TPO (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO) , Polyolefin

Material Notes:

Description: INDURE™ X190 engineered polyolefin material is designed for large, molded-in-color automotive exterior applications that require good scratch and mar characteristics, high stiffness, and low coefficients of linear thermal expansion (CLTE). Applications: Exterior ornamentation, bezels, luggage rack components. Information provided by Solvay Engineered Polymers. LyondellBasell acquired Solvay Engineered Polymers in 2008. This grade is not part of the current LyondellBasell product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Engineered-Polymers-INDURE-X190-TPO-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792B
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	as molded; ISO 294
Melt Flow	10 - 12 g/10 min	10 - 12 g/10 min	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.8 MPa	3310 psi	150x10x4 mm specimen, 50 mm/min; ASTM D638
Flexural Modulus	1.90 GPa	276 ksi	80x10x4 mm specimen, 2 mm/min; ASTM D790
Impact Test	16.0 J	11.8 ft-lb	multiaxial, 2.2 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	33.3 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	modified; ASTM D696
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	

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