

Solvay Engineered Polymers DEXFLEX® 980HF TPO (discontinued **)

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

Material Notes:

Description: DEXFLEX® 980HF is a thermoplastic olefinic elastomer (TPO) designed for large automotive exterior applications that require high flow for excellent processability, ductile impact properties at low temperatures, and good paint adhesion with UV stability.

Applications: Bumper fascias 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-DEXFLEX-980HF-TPO-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ISO 1183
Linear Mold Shrinkage	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	as molded; ISO 294
	0.012 - 0.015 cm/cm	0.012 - 0.015 in/in	after bake; ISO 294
Melt Flow	21 g/10 min	21 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.0 MPa	2610 psi	150x10x4 mm specimen, 50 mm/min; ISO 527-1/527-2
Flexural Modulus	0.900 GPa	131 ksi	80x10x4 mm specimen, 2 mm/min; ISO 178
Impact Test	18.0 J	13.3 ft-lb	multiaxial, 2.2 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	44.4 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM E228
	@Temperature -30.0 - 80.0 °C	@Temperature -22.0 - 176 °F	

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