

Solvay Engineered Polymers DEXFLEX® D160HS TPO (discontinued **)

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

Material Notes:

Description: DEXFLEX® D160HS is a thermoplastic olefinic elastomer (TPO) designed for automotive exterior applications that require excellent durability, low-temperature impact resistance, low thermal expansion, and excellent weatherability. Applications: Bumper fascias, air dams, valance panels, wheel flares, bumper pads, and other components that must meet exacting dimensional tolerances. 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-D160HS-TPO-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ISO 1183
Linear Mold Shrinkage	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	as molded; ISO 294
	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	after bake; ISO 294
Melt Flow	10 g/10 min	10 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	0.620 GPa	89.9 ksi	80x10x4 mm specimen, 2 mm/min; ISO 178
Impact Test	20.0 J	14.8 ft-lb	multiaxial, 2.2 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	ASTM E228
	@Temperature -30.0 - 80.0 °C	@Temperature -22.0 - 176 °F	

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