

LyondellBasell DEXFLEX® 940 TPO

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

Material Notes:

Description: DEXFLEX® 940 is a thermoplastic olefinic elastomer (TPO) designed for large automotive exterior painted applications.

Applications: Bumper fascias, claddings Information provided by Solvay Engineered Polymers. LyondellBasell acquired Solvay Engineered Polymers in 2008.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-DEXFLEX-940-TPO.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	ISO 1183
Melt Flow	18 g/10 min	18 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.2 MPa	2930 psi	150x10x4 mm specimen, 50 mm/min; ISO 527-1/527-2
Flexural Modulus	1.413 GPa	204.9 ksi	80x10x4 mm specimen, 2 mm/min; ISO 178
Impact Test	17.5 J	12.9 ft-lb	multiaxial, 2.2 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	85.0 Åµm/m-Å°C @Temperature -30.0 - 80.0 Å°C	47.2 Åµin/in-Å°F @Temperature -22.0 - 176 Å°F	ASTM E228

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