

Solvay Engineered Polymers SEQUEL® E3000 HMS TPO (discontinued **)

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

Material Notes:

Description: SEQUEL® E3000HMS thermoplastic olefinic elastomer (TPO) is designed for exterior and interior applications that require stiffness and durability. This extrusion-grade material is specially formulated to exhibit high melt-strength performance. This material can be supplied with or without UV stabilizers. Applications: Sheet extrusion and thermoforming 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-SEQUEL-E3000-HMS-TPO-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	ASTM D955
Melt Flow	1.1 g/10 min @Load 2.16 kg, Temperature 230 °C	1.1 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638
Flexural Modulus	2.069 GPa	300.1 ksi	I.B., TAN, 0.5 in/min; ASTM D790
Izod Impact, Notched	9.98 J/cm	18.7 ft-lb/in	NB; ASTM D256
	1.60 J/cm @Temperature -30.0 °C	3.00 ft-lb/in @Temperature -22.0 °F	PB; ASTM D256
Gardner Impact	>= 36.2 J @Temperature -30.0 °C	>= 26.7 ft-lb @Temperature -22.0 °F	ASTM D5420-96
	>= 36.2 J @Temperature 23.0 °C	>= 26.7 ft-lb @Temperature 73.4 °F	ASTM D5420-96

Thermal Properties	Metric	English	Comments
CTE, linear	50.2 µm/m-°C @Temperature 20.0 °C	27.9 µin/in-°F @Temperature 68.0 °F	modified; ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	ASTM D648

Deflection Temperature at 1.8 MPa
Thermal Properties

Metric

English

Comments

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