

LyondellBasell SEQUEL® E3000 FR TPO

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

Material Notes:

Description: SEQUEL® E3000FR 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 improved flame resistance. 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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-SEQUEL-E3000-FR-TPO.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
Melt Flow	1.02 g/10 min @Load 2.16 kg, Temperature 230 °C	1.02 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	232 %	232 %	ASTM D638
Flexural Modulus	2.276 GPa	330.1 ksi	I.B., TAN, 0.5 in/min; ASTM D790
Izod Impact, Notched	8.28 J/cm	15.5 ft-lb/in	NB; ASTM D256
	0.694 J/cm @Temperature -30.0 °C	1.30 ft-lb/in @Temperature -22.0 °F	HB; ASTM D256
Gardner Impact	33.4 J @Temperature -30.0 °C	24.7 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
Flammability, UL94	V-1	V-1	all colors

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