

LyondellBasell SEQUEL[®] E3000 TPO

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

Material Notes:

Description: SEQUEL[®] E3000 thermoplastic olefinic elastomer (TPO) is designed for thermoformed exterior and interior applications that require toughness and dimensional stability. This extrusion-grade material is readily processed into a variety of products and has excellent chemical 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-TPO.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ASTM D955
Melt Flow	1.3 g/10 min @Load 2.16 kg, Temperature 230 Â°C	1.3 g/10 min @Load 4.76 lb, Temperature 446 Â°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	275 %	275 %	ASTM D638
Flexural Modulus	2.069 GPa	300.1 ksi	I.B., TAN, 0.5 in/min; ASTM D790
Izod Impact, Notched	9.88 J/cm	18.5 ft-lb/in	NB; ASTM D256
	1.66 J/cm @Temperature -30.0 Â°C	3.10 ft-lb/in @Temperature -22.0 Â°F	PB; ASTM D256
Gardner Impact	35.0 J @Temperature -30.0 Â°C	25.8 ft-lb @Temperature -22.0 Â°F	ASTM D5420-96
	>= 36.2 J @Temperature 23.0 Â°C	>= 26.7 ft-lb @Temperature 73.4 Â°F	ASTM D5420-96

Thermal Properties	Metric	English	Comments
CTE, linear	48.1 Âµm/m-Â°C	26.7 Âµin/in-Â°F	modified; ASTM D696

Thermal Properties	Metric @ Temperature 20.0 Â°C	English @ Temperature 68.0 Â°F	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 Â°C	230 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 Â°C	140 Â°F	ASTM D648
Flammability, UL94	HB	HB	all colors

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China