

Solvay Engineered Polymers SEQUEL® E2200 TPO (discontinued **)

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

Material Notes:

Description: SEQUEL® E2200 thermoplastic olefinic elastomer (TPO) is designed for thermoformed exterior and interior applications that require low-temperature toughness and high rigidity. This product is fully colorable and is available in both UV-stabilized and non-UV-stabilized options. It is most functional when used as substrate layer for INDURE® E1500HG to provide a structure with excellent cold temperature impact properties as well as high stiffness. Applications: Substrate layer for E1500HG high gloss cap layer or general purpose monolith material for 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-E2200-TPO-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D792
Linear Mold Shrinkage	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	ASTM D955
Melt Flow	0.60 g/10 min @Load 2.16 kg, Temperature 230 °C	0.60 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	210 %	210 %	ASTM D638
Flexural Modulus	1.379 GPa	200.0 ksi	I.B., TAN, 0.5 in/min; ASTM D790
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	NB; ASTM D256
	0.694 J/cm @Temperature -30.0 °C	1.30 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	81.2 µm/m-°C @Temperature 20.0 °C	45.1 µin/in-°F @Temperature 68.0 °F	modified; ASTM D696

Thermal Properties <small>Deflection Temperature at 0.46 MPa (66 psi)</small>	Metric	English	Comments
Flammability, UL94	HB	HB	all colors

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