

**Solvay Engineered Polymers SEQUEL® 1440LS TPO (discontinued \*\*)**

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

**Material Notes:**

Description: SEQUEL® 1440LS engineered polyolefin material is designed for large automotive exterior applications that require ductile impact properties at low temperatures, excellent processability, and good paint adhesion. 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-1440LS-TPO-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Solvay-Engineered-Polymers-SEQUEL-1440LS-TPO-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.990 g/cc	0.990 g/cc	ISO 1183
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	as molded; ISO 294
	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	after bake; ISO 294
Melt Flow	21 g/10 min	21 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	150x10x4 mm specimen, 50 mm/min; ISO 527-1/527-2
Flexural Modulus	1.17 GPa	170 ksi	80x10x4 mm specimen, 2 mm/min; ISO 178
Impact Test	18.0 J	13.3 ft-lb	multiaxial, 2.2 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	65.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	36.1 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM E228
	@Temperature -30.0 - 80.0 $\text{°C}$	@Temperature -22.0 - 176 $\text{°F}$	

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