

LyondellBasell SEQUEL[®] 1780 Engineered Polyolefin

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Description: SEQUEL[®] 1780 engineered polyolefin is designed for mold-in-color or partially painted automotive exterior applications that require dimensional stability over a broad temperature range with enhanced scratch and mar resistance. This material exhibits excellent processability and low-temperature properties. Applications: Bumper side claddings, rockers, and other components that demand close dimensional tolerances 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-1780-Engineered-Polyolefin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	as molded; ISO 294
Melt Flow	21 g/10 min	21 g/10 min	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	50 mm/min; ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	I.B., TAN, 0.5 in/min; ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	52.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	28.9 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM E228
	@Temperature -30.0 - 80.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 176 $\text{Å}^\circ\text{F}$	

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