

Solvay Engineered Polymers SEQUEL® 2380 Engineered Polyolefin (discontinued **)

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Description: SEQUEL® 2380 engineered polyolefin is designed for large mold-in-color automotive interior applications that require stiffness and dimensional stability over a broad temperature range. This material exhibits excellent processability and appearance.

Applications: Interior instrument panels 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-2380-Engineered-Polyolefin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ISO 1183
Filler Content	20 %	20 %	ISO 3451
Linear Mold Shrinkage	0.00895 cm/cm	0.00895 in/in	AMMS; ISO 2577
Melt Flow	22 g/10 min	22 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ISO 686
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO R527
Flexural Modulus	2.10 GPa	305 ksi	ISO 178
Izod Impact, Notched (ISO)	18.0 kJ/m ²	8.57 ft-lb/in ²	ISO 180
	4.00 kJ/m ² @Temperature -40.0 °C	1.90 ft-lb/in ² @Temperature -40.0 °F	ISO 180
Impact Test	23.0 J	17.0 ft-lb	multiaxial, 15 mph; ASTM D3763
	25.0 J @Temperature 0.000 °C	18.4 ft-lb @Temperature 32.0 °F	multiaxial, 15 mph; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 µm/m-°C	27.8 µin/in-°F	ASTM E228
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	111 °C	232 °F	ISO 75

Deflection Temperature at 1.8 MPa Thermal Properties (104 psi)	59.0 °C Metric	138 °F English	ISO 75 Comments
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Descriptive Properties	Value	Comments
Five-Finger Scratch Resistance	15 N	FLTM BN 108-13

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