

Solvay Engineered Polymers SEQUEL® 1783 Engineered Polyolefin (discontinued **)

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Description: SEQUEL® 1783 engineered polyolefin is designed for large, mold-in-color automotive exterior applications that require dimensional stability over a broad temperature range. This material exhibits excellent high- or low-gloss surface appearance, and processability. SEQUEL® 1783 offers improved scratch and mar resistance compared to typical TPO products. Applications: Exterior cowl grilles, leaf screens, scuff plates, and painted exterior 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-1783-Engineered-Polyolefin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 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	14 g/10 min	14 g/10 min	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	50 mm/min; ASTM D638
Flexural Modulus	2.00 GPa	290 ksi	I.B., TAN, 0.5 in/min; ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 µm/m-°C	30.6 µin/in-°F	ASTM E228
	@Temperature -30.0 - 80.0 °C	@Temperature -22.0 - 176 °F	

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