

## Solvay Engineered Polymers SEQUEL® 1718HF Engineered Polyolefin (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyolefin

**Material Notes:**

Description: SEQUEL® 1718HF engineered polyolefin is designed for painted automotive exterior applications that require dimensional stability over a broad temperature range. This material exhibits excellent processability and low-temperature properties. Applications: Bumper side claddings, rockers, and other compartments that demand close dimensional tolerances 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-1718HF-Engineered-Polyolefin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Solvay-Engineered-Polymers-SEQUEL-1718HF-Engineered-Polyolefin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ISO 1183
Linear Mold Shrinkage	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	as molded; ISO 294
	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	after bake; ISO 294
Melt Flow	16 g/10 min	16 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	150x10x4 mm specimen, 50 mm/min; ISO 527-1/527-2
Flexural Modulus	1.60 GPa	232 ksi	80x10x4 mm specimen, 2 mm/min; ISO 178
Impact Test	22.0 J	16.2 ft-lb	multiaxial, 2.2 m/s; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	30.6 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM E228
	@Temperature -30.0 - 80.0 °C	@Temperature -22.0 - 176 °F	

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