

## Solvay Engineered Polymers SEQUEL® 2300 Engineered Polyolefin (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyolefin

### Material Notes:

**Description:** SEQUEL® 2300 engineered polyolefin is designed for large mold-in-color automotive interior applications that require high stiffness and dimensional stability over a broad temperature range. This material exhibits excellent low-gloss surface appearance and processability. **Applications:** Instrument panels and components, A and B-pillar covers, and miscellaneous interior trim components that must exhibit high modulus and superior impact performance. 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-2300-Engineered-Polyolefin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Solvay-Engineered-Polymers-SEQUEL-2300-Engineered-Polyolefin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ISO 1183
Filler Content	25 %	25 %	ISO 3451
Linear Mold Shrinkage	0.0094 cm/cm	0.0094 in/in	AMMS; ISO 2577
Melt Flow	11 g/10 min	11 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ISO 686
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO R527
Flexural Modulus	2.20 GPa	319 ksi	ISO 178
Izod Impact, Notched (ISO)	24.0 kJ/m <sup>2</sup>	11.4 ft-lb/in <sup>2</sup>	ISO 180
	3.50 kJ/m <sup>2</sup> @Temperature -40.0 °C	1.67 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	ISO 180
Impact Test	22.0 J	16.2 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	60.0 µm/m-°C @Temperature 20.0 °C	33.3 µin/in-°F @Temperature 68.0 °F	ASTM E228
Deflection Temperature at 0.46 MPa (66 psi)	112 °C	234 °F	ISO 75

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	63.0 °C	145 °F	ISO 75

Descriptive Properties	Value	Comments
Five-Finger Scratch Resistance	3-10 N	FLTM BN 108-13

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