

Solvay Specialty Polymers Kadel® E-1300 Polyketone (discontinued **)

Category : Polymer , Thermoplastic , Polyketone

Material Notes:

High performance proprietary semi-crystalline polymer based resins with exceptional solvent resistance and high temperature performance. They provide strength and stiffness, plus superior chemical resistance for application in hostile environments. This product line was acquired by Solvay Advanced Polymers from BP Amoco in November 2001.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Kadel-E-1300-Polyketone-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	214 MPa	31000 psi	ASTM D638
Elongation at Break	1.3 %	1.3 %	ASTM D638
Flexural Yield Strength	288 MPa	41800 psi	ASTM D790
Flexural Modulus	13.8 GPa	2000 ksi	ASTM D790
Izod Impact, Notched	0.700 J/cm	1.31 ft-lb/in	ASTM D256
Tensile Impact Strength	180 kJ/m ²	85.7 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	10.0 µm/m-°C	5.56 µin/in-°F	ASTM E381
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	324 °C	615 °F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	V-0	V-0	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

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