11379 Grooms Road, Blue Ash, OH 45242
Phone: (513) 469-9919 Fax: (513) 247-2452
Website: http://www.maverickcorp.com
E-Mail: info@maverickcorp.com

MVK-19

Ultra-High Temperature Polyimide

Product Description

MVK-19 is an ultra-high temperature polyimide resin with continuous service capability up to 371°C. MVK-19's excellent thermal stability makes it suitable for use in some of the harshest applications for composite bearings and structures.

MVK-19 does not contain the toxic diamine 4,4'-methylenedianiline (MDA) or any other carcinogenic or mutagenic component. Its chemistry makes MVK-19 most suitable to be processed by compression molding.

MVK-19 was formulated and developed by Maverick, and it has been qualified for use in military and commercial jet engines since 1994. Maverick Molding Company manufactures MVK-19 molded parts in high-rate production at our Blue Ash facility. MVK-19 is available as a resin solution from Maverick Corporation. For more information on MVK-19 molded parts, please contact Maverick Molding Company.

Resin Properties

Resin Properties	Test Parameters	Units	Typical Values
Solids Content	250°C/180 min cure	%	45 - 50
Solution Density (Room Temp.)	-	g/mL	1.15 - 1.25
Solution Viscosity (Room Temp.)	Brookfield spindle #RV-4, 50 rpm	cP	1500 - 2500
Glass Transition Temperature	TMA (molded part, dry)	°C	371 - 385
Thermal Oxidative Stability	371°C, 483 kPa (70 psia), 100 hours	% wt loss	2 - 4