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Vespel[®] SP-1 Polyimide

APPLICATIONS & USES

- Mechanical Parts
- Electrical Parts
- Valve Seats, Seal and Insulators

OVERVIEW

 $\mathsf{Vespel}^{\circledast}$ provides maximum physical properties and best electrical and thermal insulation.

TECHNICAL DATA

PROPERTY	VALUE
Yield Tensile Strength (psi)	10,500
Elongation at Break	7.5%
Flexural Strength (psi)	6,500
Flexural Modulus	360 ksi
Compressive Strength	3,500 psi @ 1% straing
Compressive Modulus	350 ksi
Dynamic Coefficient of Friction	379° F
Minimum Operating Temp° F	0.29
CTE, linear	28.0 μin/in-°F
Thermal Conductivity	2.00 BTU-in/hr-ft ² -°F

The data provided gives the typical properties of the material. These are "typical" properties only, and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used only as a guide at your discretion and risk. Jade cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or recommendation to infringe, any patents.