

Trelleborg Sealing Solutions HiMod® 924 Thermoplastic Bearing

Category : Polymer , Thermoplastic

Material Notes:

Thermoplastic Bearing Characteristics: HiMod® 924 is a high temperature, high modulus material developed for those functions that require high strength and high compressive properties along with excellent chemical resistance and low thermal expansion. This compound is known for its high flexural modulus, high compressive strength, low thermal expansion, good chemical resistance, and low moisture absorption. It is also injection moldable. Applications: Valve seats, gas turbine engine and automotive under-hood components, sliding vanes, aerospace, and medical. Information provided by Busak + Shamban, now Trelleborg Sealing Solutions. Busak+Shamban changed its name to Trelleborg Sealing Solutions in 2007.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Sealing-Solutions-HiMod-924-Thermoplastic-Bearing.php

Physical Properties	Metric	English	Comments
Moisture Absorption at Equilibrium	0.050 %	0.050 %	

Mechanical Properties	Metric	English	Comments
Flexural Modulus	16.9 GPa	2450 ksi	
Compressive Yield Strength	179 MPa	26000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	2.90 $\mu\text{m}/\text{m}\cdot\text{°C}$	1.61 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	260 °C	500 °F	Continuous
	287.8 °C	550.0 °F	Intermittent

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