

CoorsTek PolyGlyde™ 5400 Self-Lubricating Seal

Category : Polymer

Material Notes:

PolyGlyde seals offer low heat generation in high-friction and high-stress environments. These seals provide superior performance over traditional carbon materials: runs cooler – even in dry-running situations, leak-tight material, greater durability, less wear debris – runs cleaner, broader resistance to chemical attack, suitable for fluid and gas applications, lapping of seal face not necessary, and exceptionally stable.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CoorsTek-PolyGlyde-5400-Self-Lubricating-Seal.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.01 g/cc	2.01 g/cc	ASTM-D792
Deformation	5.9 %	5.9 %	24 hrs.; ASTM-D621
	@Pressure 13.8 MPa, Temperature 25.6 °C	@Pressure 2000 psi, Temperature 78.0 °F	
	9.9 %	9.9 %	24 hrs.; ASTM-D621
	@Pressure 4.14 MPa, Temperature 260 °C	@Pressure 600 psi, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	12.4 MPa	1800 psi	ASTM-D1457
Elongation at Break	60 %	60 %	ASTM-D1457
Flexural Strength	17.2 MPa	2500 psi	ASTM-F417
Flexural Modulus	0.0117 GPa	1.70 ksi	ASTM-D790
Compressive Strength	48.3 MPa	7000 psi	ASTM-C773

Thermal Properties	Metric	English	Comments
CTE, linear	14.4 μm/m-°C	8.00 μin/in-°F	ASTM-D696
Thermal Conductivity	0.807 W/m-K	5.60 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	260 °C	500 °F	

Descriptive Properties	Value	Comments
Color	Black	

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