

CMP-4000

Hydro-Fused®/Compressed MicroPore® Gasket Material

F722930E22M9

Description

CMP-4000 is a high performance, compressed MicroPore material, combining a unique synthetic fiber matrix and fully cured nitrile butadiene rubber binder. It has excellent sealability and torque retention properties and is recommended for short duration maximum temperatures up to 350°C (650°F). Typical OEM and Industrial applications include engine, transmission, hydraulics, pumps, valves, pipes, and compressors that operate from -40°C to 150°C and from 0 to 40 Bar internal pressure. Applications outside this temperature and pressure range can be considered with proper validation testing.

Specification Properties

Property	Value	Method
Compressibility, % (at 34.5MPa)	5 - 15	ASTM F 36
Recovery, %	50 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)		ASTM F 152
Less Than 0.8mm Gauge	13.60 (1968) (min.)	
All Other Gauges	18.60 (2700) (min.)	
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Tensile Strength, %	25 (max.)	
Change in Thickness, %	10 (max.)	
Change in Weight, %	20 (max.)	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	10 (max.)	
Change in Weight, %	15 (max.)	
Fluid Resistance, IRM901 Oil		ASTM F 146
Change in Thickness, %	5 (max.)	
Binder Type	Fully Cured Nitrile Butadiene Rubber	
Color	Green	

Remarks and Related Documents

Specification values determined by the test methods required for ASTM F-104, Type 7 materials.

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For more information, please visit www.InterfaceMaterials.com or contact

WORLD HEADQUARTERS
Interface Performance Materials, Inc.
216 Wohlsen Way
Lancaster, PA 17603
USA
+1.717.207.6000

TECHNICAL CENTER
Interface Performance Materials, Inc.
215 Wohlsen Way
Lancaster, PA 17603
USA
AE@InterfaceMaterials.com
+1.717.207.6000

NORTH AMERICA
Interface Performance Materials, Inc.
22260 Haggerty Road, Suite 200
Northville, MI 48167
USA
+1.248.596.2800

ASIA PACIFIC
Interface Sealing Solutions Shanghai Co., LTD
Unit 14F, No. 728
Yan An Road West, Changning District
Shanghai 200050
China
+8621.5238.5650

INDIA
Interface Performance Materials India LLP
Mandkola Road, Vill. Atta, Sohna,
Distt: Mewat, Nuh-122103 (Haryana)
+91.0124.8930992166

EUROPE & SOUTH AMERICA
Interface Sealing Solutions Europe
Lili Pean, Le Bourg
Bonloc 64240
France
+33.5.5929.1220

GERMANY
Interface Performance Materials
Altenkirchen GmbH
P.O. Box 12 63
Koblenzer Strasse
Altenkirchen D-57610
Germany
+49.2681.80020

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Performance Materials