

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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