



Material Specification

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

<u>Property</u>	<u>Value</u>	<u>Method</u>
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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The information on this data sheet is based on laboratory test data we believe to be accurate, relevant and reliable. Please look upon these values as guides rather than absolutes. Since actual service conditions for a given application may vary substantially from standard laboratory conditions, specific recommendations or warranties relative to a specific end use cannot be made. The buyer is urged to conduct its own investigations and qualification tests to determine suitability for its intended application. Accurate Felt & Gasket Mfg. Co. shall not be liable for any damages arising out of the use of any of its guide specifications.

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