



Material Specification

N-8092

Syntheseal®/Nonasbestos Gasket Material
F729900E59M9

Description

N-8092 is used in automotive, small engine, and compressor applications. It has excellent crush resistance at high flange pressures, and excellent sealing properties with oil, fuel, and water. It is intended for applications with short duration maximum temperatures up to 180°C (350°F).

Specification Properties

<u>Property</u>	<u>Value</u>	<u>Method</u>
Density, g/cc(lb/cu.ft)	1.20 (75) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	15 - 30	ASTM F 36
Recovery, %	35 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	11.03 (1600) (min.)	ASTM F 152
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Tensile Strength, %	30 (max.)	
Change in Thickness, %	20 (max.)	
Change in Compressibility, %	40 (max.)	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	20 (max.)	
Change in Weight, %	40 (max.)	
Binder Type	Nitrile Butadiene	

Remarks and Related Documents

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

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