

# Specification Data Sheet

## N-8094

Syntheseal®/Nonasbestos Gasket Material  
F729900E99M9

### DESCRIPTION

N-8094 is a low density material that conforms well to irregular flange surfaces and has very good crush resistance at high flange pressures. It is intended for sealing oils, fuels, and water in applications with short duration maximum temperatures up to 180°C (350°F).

### SPECIFICATION PROPERTIES

Property	Value	Method
Density, g/cc(lb/cu.ft)	0.87 (54) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	28 - 42	ASTM F 36
Recovery, %	20 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)		ASTM F 152
1.0mm gauge and higher	6.9 (1000) (min.)	
Less than 1.0mm gauge	8.62 (1250) (min.)	
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Tensile Strength, %	30 (max.)	
Change in Thickness, %	20 (max.)	
Change in Compressibility, %	30 - 45	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	20 (max.)	
Change in Weight, %	25 - 50	
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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