

SPECIFICATION DATA SHEET

NV-519

Standard/Nonasbestos Gasket Material

F332949M8

Description

NV-519 is a cellulose fiber material with thermoset resin and nitrile butadiene rubber binder. It has excellent tensile strength, crush resistance, and erosion resistance against high volume fluid flow and impingement. It is used primarily in automatic transmission valve body, pump, and accumulator/channel plate applications as well as carburetors and air compressors. It is intended for use in applications with short duration maximum temperatures up to 180°C (350°F).

Specification Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	0.96 (60) (min.)	ASTM F 1315
Compressibility, % (at 6.9MPa)	5 - 15	ASTM F 36
Recovery, %	60 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	27.59 (4000) (min.)	ASTM F 152
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Thickness, %	10 (max.)	
Change in Weight, %	30 (max.)	
Fluid Resistance, Dexron VI		ASTM F 146
Change in Thickness, %	10 (max.)	
Change in Weight, %	30 (max.)	
Fluid Resistance, Distilled Water		ASTM F 146
Change in Thickness, %	70 (max.)	
Change in Weight, %	70 (max.)	
Binder Type	Fully Cured Nitrile Butadiene	

Remarks and Related Documents

Specification values determined by the test methods required for ASTM F-104, Type 3 materials.

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