

SPECIFICATION DATA SHEET

NV-512

Standard/Nonasbestos Gasket Material

F333949E43M7

Description

NV-512 is a cellulose fiber material with a fully cured nitrile butadiene rubber binder for increased strength and fluid resistance. It has very high tensile strength and crush resistance, and is used in applications such as air pumps, carburetors, gear boxes and transmissions. 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) | 0.96 (60) (min.) | ASTM F 1315 |
| Compressibility, % (at 6.9MPa) | 10 - 20 | ASTM F 36 |
| Recovery, % | 60 (min.) | ASTM F 36 |
| Tensile Strength, AMD, MPa(psi) | 20.69 (3000) (min.) | ASTM F 152 |
| Fluid Resistance, IRM903 Oil | | ASTM F 146 |
| Change in Thickness, % | 10 (max.) | |
| Change in Weight, % | 30 (max.) | |
| Fluid Resistance, Fuel B | | ASTM F 146 |
| Change in Thickness, % | 15 (max.) | |
| Change in Weight, % | 30 (max.) | |
| Fluid Resistance, Distilled Water | | ASTM F 146 |
| Change in Thickness, % | 35 (max.) | |
| Change in Weight, % | 50 (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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