NV-512 – Economical Sealing Gasket Material

Specification Data Sheet
F33949E43M7

Description
NV-512 is a cellulose fiber material with a fully cured nitrile butadiene rubber binder for increased strength and fluid resistance. It has a very high tensile strength and crush resistance, as 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 (355°F).

Property:  
Specifikation:  
Method:

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  
Change in Thickness, %  
10 (max.)  
ASTM F 146

Change in Weight, %  
30 (max.)  

Fluid Resistance, Fuel B  
Change in Thickness, %  
15 (max.)  
ASTM F 146

Change in Weight, %  
30 (max.)  

Fluid Resistance, Distilled Water  
Change in Thickness, %  
35 (max.)  
ASTM F 146

Change in Weight, %  
50 (max.)  

Binder Type  
Fully Cured Nitrile Butadiene

Remarks and related documents:
Specification Values determined by test methods required for ASTM F-104. Type 3 materials.

Ordering Information: NV-512 is available in thicknesses of .015”, .020”, .025”, .031”, .047” and .062”, in rolls @ 40” wide continuous length or sheets @ 40” x 36”.. Auburn can die cut, stamp, slit-to-width, strip, sheet, or apply pressure sensitive adhesive to NV-512 in accordance with your exact specifications.