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Fluoroelastomer Belt: FB 1003

Product Description: 0.187"; 1 Ply Aramid and 1 Ply Wire Mesh Fluoroelastomer Belt [Press Cured]

Finished Belt Requirement

Color Black

0.1875" [+/- 0.020"] Thickness, inches Width, inches *applies to roll goods 42" or 48" [+/- 0.5"] 17.0 [+/- 1 lb/sqyd] Weight, Pounds/Square yard Operating Temperature, Fahrenheit 450°

0.063" Gas Ply Thickness, Minimum inches Outer Ply Thickness, Minimum inches 0.030"

Rubber Compound Requirements

Fluoroelastomer Specification FSA-DSJ-401-09 ASTM D-6909-10

Fluoroelastomer Content, % Volume 70% Virgin Terpolymer

Terpolymer Fluorine Content, % Volume 68%

Specific Gravity, g/cm3 **ASTM D-297** 1.86 [+/- 0.04] Hardness, Durometer Shore 'A' or Equivalent 77 [+/- 5] **ASTM D-2240**

1015 [7-MPa] Tensile Strength, Minimum PSI ASTM D-412 Elongation, Minimum 275% ASTM D-412 Methanol Volume Swell, Maximum¹ 30% ASTM D-471 Toluene Volume Swell, Maximum¹ 10% ASTM D-471

1conditions 70 +/- 0.5 hours at 23° +/- 3°C

Dry Heat Resistance²

Weight, Change +/- 7% ASTM D-573 Hardness, Durometer Shore 'A' Change +/- 10 ASTM D-573 Tensile Strength, Maximum Change +50% ASTM D-573 Elongation, Ultimate Minimum ASTM D-573 225%

²conditions 70 +/- 0.5 hours at 260° +/- 5°C

Textile Requirements

Reinforcement Fabric Aramid Fiber Flextra Blend

Tensile Strength, Minimum lbs/inch [Warp] 240 Tensile Strength, Minimum Ibs/inch [Weft] 450

Wire Mesh Requirements

Alloy 20Cb3 Woven Wire Cloth Weight lbs./sq,yd 1.35 21.6 Weight oz./sq.yd. 105,000 Tensile Strength (PSI) Knit (CPI) 6/8 Elongation (Min) 25% Thickness (Inches) 0.011

Quality Control

Certifications and test results provided with the product at the time of shipment.

DATA SHEET # 14059 REV. A DATE: 03/26/12

Specializing in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications

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