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## Fluoroelastomer Belt: FB 1002

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

Rubber Polymer: Dyneon Fluorel, Solvay Solexis Tecnoflon

Finished Belt Requirement

Color

Thickness, inches

0.1875" [+/- 0.020"]

Width, inches \*applies to roll goods

Weight, Pounds/Square yard

Operating Temperature, Fahrenheit

Gas Ply Thickness Minimum inches

Gas Ply Thickness, Minimum inches 0.070"
Outer Ply Thickness, Minimum inches 0.030"

<u>Rubber Compound Requirements</u> 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 1.86 [+/- 0.04] **ASTM D-297** Hardness, Durometer Shore 'A' or Equivalent 77 [+/- 5] **ASTM D-2240** Tensile Strength, Minimum PSI 1015 [7-MPa] ASTM D-412 Elongation, Minimum ASTM D-412 275% Methanol Volume Swell, Maximum<sup>1</sup> 30% ASTM D-471 Toluene Volume Swell, Maximum<sup>1</sup> 10% ASTM D-471

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

Dry Heat Resistance<sup>2</sup>

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 225% ASTM D-573

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

**Textile Requirements** 

Reinforcement Fabric Aramid Fiber Flextra Blend

Tensile Strength, Minimum Ibs/inch [Warp] 400
Tensile Strength, Minimum Ibs/inch [Weft] 300

Wire Mesh Requirements Alloy 20Cb3 Woven Wire Cloth

 Weight lbs./sq,yd
 1.35

 Weight oz./sq,yd.
 21.6

 Tensile Strength (PSI)
 105,000
 ASTM D-412

 Knit (CPI)
 6 / 8

 Elongation (Min)
 25%
 ASTM D-412

0.011

Thickness (Inches)

Quality Control

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

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