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# Fluoroelastomer Belt: FB 1003

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

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

# Dry Heat Resistance<sup>2</sup>

Weight, Change+/- 7%ASTM D-573Hardness, Durometer Shore 'A' Change+/- 10ASTM D-573Tensile Strength, Maximum Change+50%ASTM D-573Elongation, Ultimate Minimum225%ASTM D-573

450

 $^{2}$ conditions 70 +/- 0.5 hours at 260° +/- 5°C

Tensile Strength, Minimum Ibs/inch [Weft]

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

## **Textile Requirements**

Reinforcement Fabric Aramid Fiber Flextra Blend
Tensile Strength, Minimum lbs/inch [Warp] 240

Wire Mesh Requirements Alloy 20Cb3 Woven Wire Cloth

 Weight Ibs./sq,yd
 1.35

 Weight oz./sq,yd.
 21.6

 Tensile Strength (PSI)
 105,000

 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.

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