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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
Unitary to roll goods
Weight, Pounds/Square yard
Operating Temperature, Fahrenheit

Black
0.1875" [+/- 0.020"]
40" [+/- 0.5"]
18.5 [+/- 1 lb/sqyd]
450°

Gas Ply Thickness, Minimum inches 0.070"
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** 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, Maximum¹ 30% ASTM D-471 Toluene Volume Swell, Maximum¹ 10% ASTM D-471

Dry Heat Resistance²

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

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

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

Textile Requirements

Reinforcement Fabric Aramid Fiber Flextra Blend
Tensile Strength, Minimum lbs/inch [Warp] 400

Tensile Strength, Minimum lbs/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

 Thickness (Inches)
 0.011

Quality Control

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

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