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# Fluoroelastomer Belt: FB 1007

3.5mm"; Single Ply Wire Fluoroelastomer Belt [Press Cured] **Product Description:** 

Dyneon Fluorel, Solvay Solexis Tecnoflon Rubber Polymer:

#### Finished Belt Requirement

Color Black 0.146" [+/- 0.012"] Thickness, inches Width, inches \*applies to roll goods 40" [+/- 0.5"] Weight, Pounds/Square yard 15.5 [+/- 1.0 lb/sqyd] Operating Temperature, Fahrenheit 450° Gas Ply Thickness, Minimum inches 0.060" Outer Ply Thickness, Minimum inches 0.060"

# **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 275% ASTM D-412 Methanol Volume Swell, Maximum<sup>1</sup> 30% **ASTM D-471** Toluene Volume Swell, Maximum<sup>1</sup> ASTM D-471 10% 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

# Wire Mesh Requirements

20Cb3 Woven Wire Cloth 1.35 Weight lbs./sq,yd Weight oz./sq.yd. 21.6 105,000 **ASTM D-412** Tensile Strength (PSI) 6/8 Knit (CPI) 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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