



## 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
Thickness, inches	0.1875" [+/- 0.020"]
Width, inches <i>*applies to roll goods</i>	42" or 48" [+/- 0.5"]
Weight, Pounds/Square yard	17.0 [+/- 1 lb/sqyd]
Operating Temperature, Fahrenheit	450°
Gas Ply Thickness, Minimum inches	0.063"
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/cm <sup>3</sup>	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>	10%	ASTM D-471

<sup>1</sup>conditions 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 lbs/inch [Warp]	240
Tensile Strength, Minimum lbs/inch [Weft]	450

### **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
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.