



## Fluoroelastomer Belt: FB 1007

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

**Rubber Polymer:** Dyneon Fluorel, Solvay Solexis Tecnoflon

### **Finished Belt Requirement**

Color	Black
Thickness, inches	0.146" [+/- 0.012"]
Width, inches <i>*applies to roll goods</i>	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/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

### **Wire Mesh Requirements**

	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.