

## COMPOUND: V75-CORD

Description: 75 durometer black Viton™ A fluoroelastomer compound.

Application Temperatures: High Temp: 400° F ( 204° C)  
Low Temp: Dynamic: 1.4°F (-17°C) Static: -25.6°F(-32°C)

### Compound Information:

% Fluorine: 66%  
Cure System: Bisphenol  
Color: Black  
Compounded for: Molding: (Compression, Injection, Transfer)  
Form: Pre-Form, Slab, Strip or Calendered Sheet.  
Storage: Preserves best when stored in a cool/dry environment. Rheometer retesting suggested @ 6 months.  
Cured Products: O-Ring Cord, Profile, Sheet, Tubing  
Stock: Yes

### Typical Rheological Properties:

Conditions: MDR .5 ARC 4 minutes @ 370° F (188° C) Per ASTM D-6204.

Min torque: 1.16 Inch/lbs.  
Max torque: 20.17 Inch/lbs.  
Scorch Ts1: 0.82 Minutes.  
Cure Tc90: 1.71 Minutes.

### Typical Physical Properties:

Conditions: Press cured 10 minutes @ 370° F (188° C) and Post cured for 16 hours @ 480° F (250 °C).

Tensile Strength (Per ASTM D-412):	2350 PSI	(16.2 MPa )
100% Modulus (Per ASTM D-412):	932 PSI	( 6.4 MPa )
Ultimate Elongation (Per ASTM D-412):	200 %	
Shore A Hardness (Per ASTM D-2240):	76 Pts.	
Specific Gravity (Per ASTM D-297):	1.85 (H2O=1)	
Compression Set (Per ASTM D-395):	7.5 %	CONDITIONS: 22 hrs@ 392 °F (200°C)

### Compounded to Meet:

ASTM D-2000 Call out: M6HK 810 A1-10, B38, C12, EF31, EO88, Z1  
Z1=75+/-5 DUROMETER SHORE "A".

AMS 3216J