

AFLAS[®]
COMPOUND EE30475B

DESCRIPTION: 75 durometer black **AFLAS**[®] fluoroelastomer compound.

Application Temperatures: High Temp: 400° F (204° C)

COMPOUND INFORMATION:

- % Fluorine: 57%
- Cure System: Peroxide
- Color: Black
- Compounded for: Molding: (Compression, Injection, Transfer) and Extrusion.
- Form: Slab, Strip, Pre-form or Calendered Sheet.
- Storage: Preserves best when stored in a cool/dry environment.
Rheometer retesting suggested @ 6 months.
- Cured Products: O-Ring Cord, Profiles, Sheet, and Tubing
- Stock. Yes

TYPICAL RHEOLOGICAL PROPERTIES:

Conditions: MDR .5 ARC 6 minutes @ 370° F (188°C) Per ASTM D-6204.

- Min torque: 1.34 Inch/lbs.
- Max torque: 7.66 Inch/lbs.
- Scorch Ts1: 0.60 Minutes.
- Cure Tc90: 2.60 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): 1550 PSI (10.7 Mpa)
 - 100% Modulus (Per ASTM D-412): 750 PSI (5.2 Mpa)
 - Ultimate Elongation (Per ASTM D-412): 355 %
 - Shore A Hardness (Per ASTM D-2240): 76 Pts.
 - Specific Gravity (Per ASTM D-297): 1.61 (H₂O=1)
 - Compression Set (Per ASTM D-395): 31.88 %
- CONDITIONS: 22 hrs@ 392 °F (200°C)

Note: These figures are for guidance only. Service life will depend on type of application, whether static or dynamic, specific pressure medium, temperature cycle, time of exposure, etc.