



MR O-RING

QUALITY YOU TRUST, SERVICE YOU RELY ON

Material Datasheet

Compound #: A75C

AFLAS® Cord Stock

Material Summary	
% Fluorine	57%
Cure System	Peroxide
Color	Black
Compounded for	Molding: (Compression, Injection, Transfer) and Extrusion
Form	Slab, Strip, Pre-form, or Calendered Sheet
Storage Recommendations	Store in cool/dry environments. Rehometer retesting @ 6 mo.
Cured Products	O-Ring Cord, Profiles, Sheet, and Tubing
Stock	Yes
Typical Rheological Properties MDR .5 ARC 6 min. @ 370°F (ASTM D-6204)	
Min Torque, in./lbs	1.34
Max Torque, in./lbs	7.66
Scorch Ts1, min.	0.60
Cure Tc90, min.	2.60
Typical Physical Properties Press Cured 10 min. @ 370°F and Post Cured for 16 hours @ 480°F	
Tensile Strength, psi(MPa) (Per ASTM D-412)	1550(10.7)
100% Modulus, psi(MPa) (Per ASTM D-412)	750(5.2)
Ultimate Elongation, % (Per ASTM D-412)	255
Shore A Hardness (Per ASTM D-2240)	76
Specific Gravity (Per ASTM D-297)	1.61
Compression Set, %, 22 hrs @ 392°F (Per ASTM D-395)	31.88%

Report Date: 10/14/2020

Information within this report is believed to be accurate and reliable. However, Mr. O-Ring makes no warranty, expressed or implied, that parts supplied in this material will perform satisfactorily in specific applications. It's the customer's responsibility to evaluate prior to use.