



MR O-RING

QUALITY YOU TRUST, SERVICE YOU RELY ON

Material Datasheet

Compound #: V75C

Genuine Viton®, Black, General Purpose

Compound Information	
% Fluorine:	66%
Cure System:	Bisphenol
Color:	Black
Recommended Temperature Range (Static):	-32°C to 204°C
Recommended Temperature Range (Dynamic):	-17°C to 204°C
Compounded for:	Molding: (Compression, Injection, Transfer)
Form:	Pre-form, Slab, Strip, or Calendered Sheet
Storage Recommendations:	Store in cool/dry environment. Rheometer retesting @ 6 mo.
Cured Products:	O-Ring Cord, Profile, Sheet, Tubing
Stock:	Yes
Typical Rheological Properties MDR .5 ARC 4 min. @ 370°F (ASTM D-6204)	
Min Torque (in./lbs.)	1.3
Max Torque (in./lbs.)	23.25
Scorch Ts1 (min.)	0.65
Cure Tc90 (min.)	1.10
Typical Physical Properties, Press Cured 10 min. @ 370°F and Post Cured 16 hrs. @ 480°F	
Tensile Strength, psi(Mpa) (Per ASTM D-412)	2250(15.5)
100% Modulus, psi(MPa) (Per ASTM D-412)	920(6.3)
Ultimate Elongation, % (Per ASTM D-412)	198
Hardness, Shore A (Per ASTM D-2240)	76
Specific Gravity (Per ASTM D-297)	1.85
Compression Set, 22 hrs @ 392°F (Per ASTM D-395)	8.56
Compounded to Meet	
ASTM D-2000 Call Out	M6HK810 A1-10 B38 C12 EF31 EO88 Z1
AMS 3216H	

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.