



MR O-RING

QUALITY YOU TRUST, SERVICE YOU RELY ON

Material Datasheet

Compound #: BV75C

General Purpose, Genuine Viton®, Brown

Compound Information	
% Fluorine:	66%
Cure System:	Bisphenol
Color:	Brown
Recommended Temperature Range (Static):	-18°C to 205°C
Recommended Temperature Range (Dynamic):	-6°C to 205°C
Compounded for:	Molding: (Compression, Injection, Transfer) and Extrusion
Form:	Pre-form, Slab, Strip, or Calendered Sheet
Storage Recommendations:	Store in cool/dry environment. Rheometer retesting @ 6 mo.
Cured Products:	O-Ring Cord, Profiles, Tubing
Stock:	Yes
Typical Rheological Properties, MDR .5 ARC 6 min. @ 370°F and Post Cured 16 hrs. @ 480°F (Per ASTM D-6204)	
Min Torque (in./lbs.)	1.17
Max Torque (in./lbs.)	18.01
Scorch Ts1 (min.)	0.72
Cure Tc90 (min.)	1.73
(A14) Heat age, 70 Hrs @ 100 °C (ASTM D573-04)	
Tensile Strength, psi(Mpa) (Per ASTM D-412)	2260(15.6)
100% Modulus, psi(MPa) (Per ASTM D-412)	889(6.1)
Ultimate Elongation, % (Per ASTM D-412)	204
Hardness, Shore A (Per ASTM D-2240)	74
Specific Gravity (Per ASTM D-297)	2.03
Compression Set, 22 hrs. @ 392°F, % (Per ASTM D-395)	7.75
Compounded to Meet	
ASTM D-2000 Call Out	M2HK810 A1-10 B38 C12 EF3 Z1 Z2
	Z1=75+/-5 DUROMETER SHORE "A", Z2=Brown Color

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.