



MR O-RING

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Material Datasheet

Compound #: V90C

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:	Extrusion, Transfer & Compression Molding
Form:	Slab, Strip or Calendered Sheet
Storage Recommendations:	Store in cool/dry environment. Rheometer retesting @ 6 mo.
Typical Rheological Properties, MDR .5 ARC 6 min. @ 188°C (Per ASTM D-6204)	
Min Torque (in./lbs.)	2.75
Max Torque (in./lbs.)	41.00
Scorch Ts1 (min.)	0.45
Cure Tc90 (min.)	0.85
Typical Physical Properties, Press Cured 10 min @ 188° and Post Cured 16 hrs.@ 250°C	
Tensile Strength, psi(Mpa) (Per ASTM D-412)	2290(15.8)
100% Modulus, psi(MPa) (Per ASTM D-412)	2075(14.3)
Ultimate Elongation, % (Per ASTM D-412)	115%
Hardness, Shore A (Per ASTM D-2240)	90
Specific Gravity (Per ASTM D-297)	1.84
Compression Set, 22 hrs @ 200°C (Per ASTM D-395)	12.20%
Compounded to Meet	
ASTM D-2000 Call Out	M2HK910 A1-10 B38 C12 EF31 EO78

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.