

**MATERIAL**

FKM 45 Shore Brown
ASTM D 2000 M2HK 45 B37

DESCRIPTION

Low compression set FKM O ring grade
Copolymer with 66% fluorine content
Cure system is Bisphenol

APPLICATION

This material has excellent resistance to oils, fuels, lubricants, most mineral acids, aliphatic and aromatic hydrocarbons.

TEMPERATURE

Low temperature service limit -4°F (-20°C)
Upper temperature continuous service limit +400°F (+204°C)

PRODUCTS

Moulding (custom/O rings)

PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
Specific Gravity	ASTM D1817	1.85
Durometer shore A (slab)	ASTM D2240	45
Elongation % (Dumbbell)	ASTM D412	350
Tensile strength Psi (Mpa) (Dumbbell)	ASTM D412	1015 (7)
Compression set % 22h @ 347°F (175°C) (slab)	ASTM D395B	25
HEAT AGEING 70h @ 482°F (250°C) ASTM D573		
Durometer change points shore A		+7
Elongation change %		-21
Tensile strength change Psi (Mpa)		-50.76 (0.35)
FLUID IMMERSION Oil No 3 70h @ 212°F (100°C) ASTM D471		
Volume change %		+5

Information

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