



MATERIAL FKM 60 Shore Brown
ASTM D 2000 M2HK 612 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 Extrusions (cords/profiles/tubes)
Hot Vulcanised O rings
Moulding (custom/O rings)

PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
Specific Gravity	ASTM D1817	2.14
Durometer shore A (slab)	ASTM D2240	65
Elongation % (Dumbbell)	ASTM D412	476
Tensile strength Psi (Mpa) (Dumbbell)	ASTM D412	1811 (12.48)
Compression set % 22h @ 347°F (175°C) (slab)	ASTM D395B	5.39
Low temperature TR-10°F (°C)*	ASTM D1329	1.4 (-17)

*Nominal value based on a typical 75 shore vulcanizate

HEAT AGEING 70h @ 482°F (250°C) ASTM D573

Durometer change points shore A	+2.6
Elongation change %	-31
Tensile strength change Psi (Mpa)	+261 (+1.8)
Weight loss grams	0.16

FLUID IMMERSION Oil No 3 70h @ 302°F (150°C) ASTM D471

Volume change %	+8.2
Durometer change points shore A	-2
Elongation change %	-30
Tensile strength change Psi (Mpa)	-398 (-2.74)

Information

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