



MATERIAL

FKM 75 Shore Brown
ASTM D 2000 M2HK 71 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 +482°F (+250°C) with short spikes up to +572°F (+300°C)

PRODUCTS

Extrusions (cords/profiles/tubes)
Hot Vulcanised O rings
Moulding (custom/O rings)

PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
MI [dNm]	ISO6502-3	1.7
Mh [dNm]	Rheometer MDR 2000	19.8
tS2 [min]	6' @185°C	1.2
t90 [min]		4.9
Cure 2mm slabs	Compression Moulding	5' @ 175°C
6mm test pieces	Compression Moulding	5' @ 175°C
Postcure	Oven	16h @ 230°C
Hardness [°ShA]	ISO48-4 (@ 3s)	74
Tensile Strength [MPa]		11.6
Elongation @ Break	ISO37-type 2	289
Modulus 50% [MPa]		2.6
Modulus 100% [MPa]		4.5
Modulus 300% [MPa]		12.0
Compression Set [%]	ISO815-1B; 22h @ 175°C	6
Density [Mg.m-3]	ISO2781-A	2.41

Information

The above information corresponds to our current knowledge and is offered solely to provide possible suggestions for your own experimentations. It is not intended to substitute any testing you may need to conduct to determine suitability of our products for your end use. Northern Engineering reserves the right to revise this information as new knowledge and experience becomes available. Northern Engineering makes no warranties and assumes no liability in connection with any use of the above information.