



MATERIAL

EPDM 60 Shore Black
ASTM D 2000 M1 CA 6010 A25

DESCRIPTION

EPDM is a polymer of ethylene, propylene and a small amount of diene
Cure system is sulphur

APPLICATION

EPDM's have a good resistance to ozone, ageing and weathering. They are suitable for HFC & HFD flame retardant hydraulic oils and brake fluids and have exceptional resistance to hot water, steam and acids.

TEMPERATURE

Low temperature service limit -40°F (-40°C)
Upper temperature continuous service limit +158°F (+70°C)

PRODUCTS

Extrusions (cords/profiles/tubes)
Hot Vulcanised O rings & Profiles
Inflatable Seals
Moulding (custom/O rings)

PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
Specific Gravity	ASTM D1817	1.13
Durometer shore A (slab)	ASTM D2240	63
Elongation % (Dumbbell)	ASTM D412	831
Tensile strength Psi (Mpa) (Dumbbell)	ASTM D412	1769 (12.2)
Compression set % 22h @ 167°F (75°C) (slab)	ASTM D395B	36
HEAT AGEING 70h @ 257°F (125°C) ASTM D573		
Durometer change points shore A		+7
Elongation change %		-75
Tensile strength change Psi (Mpa)		-1.75
Weight loss grams		0.06
FLUID IMMERSION Oil No 3 70h @ 302°F (150°C) ASTM D471		
Volume change %		+178
Durometer change points shore A		-34
Elongation change %		-52
Tensile strength change Psi (Mpa)		-1486 (10.25)

Information

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