



### MATERIAL

EPDM 75 Shore Black  
ASTM D 2000 M1 CA 708 A25

### DESCRIPTION

EPDM is a polymer of ethylene, propylene and a small amount of diene  
Cure system is sulphur  
To the best of our knowledge MC130 is ADI free however we do not routinely analyse our products for substances nor do we require our raw material suppliers to do so

### APPLICATION

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

### TEMPERATURE

Low temperature service limit -40°F (-40°C)  
Upper temperature continuous service limit +212°F (+100°C)

### PRODUCTS

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

### PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
Specific Gravity	ASTM D1817	1.22
Durometer shore A (slab)	ASTM D2240	75
Elongation % (Dumbbell)	ASTM D412	365
Tensile strength Psi (Mpa) (Dumbbell)	ASTM D412	1508 (10.4)
Compression set % 22h @ 167°F (75°C) (slab)	ASTM D395B	27

#### HEAT AGEING 70h @ 257°F (125°C) ASTM D573

Durometer change points shore A	+12
Elongation change %	-70
Tensile strength change Psi (Mpa)	-420 (+2.9)
Weight loss grams	4.5

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

Volume change %	+178
Durometer change points shore A	-56
Elongation change %	-43
Tensile strength change Psi (Mpa)	-826 (-5.7)

#### 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.