

# MC130 Epdm 75 Shore Black

## ASTM D 2000 M1 CA 708 A25

Material Datasheet • Issue 2 • Aug 2017

### 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

### 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)
- Mouldings (custom/O rings)
- VulcOrings & Vulcanised Profiles



### 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

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