



## MC130 EPDM 75 Shore Black

<b>MATERIAL</b>	EPDM 75 Shore Black ASTM D 2000 M1 CA 708 A25
<b>DESCRIPTION</b>	EPDM is a polymer of ethylene, propylene and a small amount of diene Cure system is sulphur
<b>APPLICATION</b>	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.
<b>TEMPERATURE</b>	Low temperature service limit -40°F (-40°C) Upper temperature continuous service limit +212°F (+100°C)
<b>PRODUCTS</b>	Extrusions (cords/profiles/tubes) Hot Vulcanised O rings and Profiles Moulding (custom/O rings)

## **PHYSICAL PROPERTIES**

<b>ORIGINAL</b>	<b>STANDARD</b>	<b>TYPICAL VALUES</b>
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
<b>HEAT AGEING 70h @ 257°F (125°C) ASTM D573</b>		
Durometer change points shore A		+12
Elongation change %		-70
Tensile strength change Psi (Mpa)		-420 (+2.9)
Weight loss grams		4.5
<b>FLUID IMMERSION Oil No 3 70h @ 302°F (150°C) ASTM D471</b>		
Volume change %		+178
Durometer change points shore A		-56
Elongation change %		-43
Tensile strength change Psi (Mpa)		-826 (-5.7)