

MC297 Chloroprene (CR) 75 Shore Black

ASTM D 2000 M2BC 709 A14B14E034

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Material

Chloroprene (CR) 75 Shore Black
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Description

- CR is a polymer based on Chlorobutadiene
- Cure system is Sulphur

Application

This material has excellent resistance to weathering, ageing and ozone attack. The flame resistance is good and the swell is low in mineral oils, greases and water.

Temperature

- Low temperature service limit -30°F (-35°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	1.54
Durometer shore A (slab)	ASTM D2240	77.3
Elongation % (Dumbbell)	ASTM D412	425.24
Tensile strength Psi (MPa) (Dumbbell)	ASTM D412	1473 (10.16)
Compression set % 22h @ 212°F (100°C) (slab)	ASTM D395B	12.5

Heat Ageing 70h @ 212°F (100°C) ASTM D573

Durometer change points shore A	+0.53
Elongation change %	-19.11
Tensile strength change Psi (MPa)	+23.2 (+0.16)
Weight loss grams	0.03

Fluid Immersion Oil No 3 70h @ 212°F (100°C) ASTM D471

Volume change %	+65.23
Durometer change points shore A	-19.97
Elongation change %	-114.31
Tensile strength change Psi (MPa)	-784 (-5.41)

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.

