

MATERIAL Chloroprene (CR) 75 Shore Black
ASTM D 2000 M2BC 709 A14B14EO34

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)
Hot Vulcanised O rings & Profiles
Moulding (custom/O rings)

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

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