

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

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.