

Product description:

KICR02 ISM CR 50 in a chloroprene compound crafted with balanced properties of major rubbers and provides excellent adhesion to metals. The compound is known for its excellent tackiness and wide general purpose uses.

Chemistry:

The compound is technically homopolymer of 2-chloro 1, 3-butadiene with trans 1, 4 units around 90% which accounts to synthetic rubber with crystallization as inherent property.

Properties:

The compound covers wider properties including ozone and oxidation stability, low flammability and moderate oil resistance than most of the general purpose synthetics.

Applications:

Used primarily for gaskets, cable jackets, tubing, seals, O-rings, grommets, weather resistant products such as wet suits. It is also used in electrical insulations.

Service temperature:

-40°C to 100°C.

Product ranges:

Grommets, Square O rings, O rings.

Physical properties:

S.No	Description	ASTM Standard	Units	Specification
I	Hardness	D2240	Shore A	50 + 5
II	Tensile Strength (Min)	D412	MPa	10
III	Modulus @ 100 % (Min.)	D412	MPa	1.0
III	Elongation (Min)	D412	%	400
IV	Compression Set (Max) (22 hrs @ 100°C)	D395	%	35
	Compression Set (Max) (70 hrs @ 100°C)	Method B		50
V	Heat Ageing 70 hrs @ 100°C Hardness Change Tensile Change(Max) Elongation Change(Max)	D573	Shore A	+ 15
			%	- 15
			%	- 40
VI	ASTM : 1 Oil Ageing 70 hrs @ 100°C Hardness Change Tensile Change (Max) Elongation Change(Max) Volume Swelling (Max)	D471	Shore A	± 10
			%	- 30
			%	- 30
			%	- 10 to + 15
VII	ASTM : 3 Oil Ageing 70 hrs @ 100°C Hardness Change Tensile Change (Max) Elongation Change(Max) Volume Swelling (Max)	D471	Shore A	- 30
			%	- 70
			%	- 55
			%	+ 120

NOTE: The Above Compound Meets As Per ASTM D2000 M2 BC 510 A14 B14 E014 E034.

The technical datasheets are derived on the basis of the service conditions and end user preference in which the values derived are given over a range of specifications which are cross checked over a variety of trials and approved with the end user conditions and calculated over a prolonged time



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