

Product description:

KINRO3A ISM NR 64 is a Natural rubber, compounded with carbon black and is sulfur curable. It is specifically compounded for Rubber to Metal Bonding.

Chemistry:

These elastomers are obtained naturally. Natural rubber is made up of solid particles suspended in a milky white substance called Latex. This latex rubber is mainly found in countries like Brazil, India, Indonesia, Malaysia and Sri Lanka. It is made by the polymerization of isoprene (2methyl-1,3-butadiene) which is a chemical formula $(C_5H_8)_n$ and it is known as cis-1,4-polyisoprene.

Properties:

It has a good resistance to Water, Cutting, Tearing, Wear, Fatigue, and abrasion.

Applications:

Rubber sheets, Grommets, Rubber to Metal Bonding.

Service temperature:

-40 °C to 70 °C

Product ranges:

Rubber Sheets, Grommets, Anti Vibration Dampers.

Physical properties:

S.NO	Description	ASTM Test Method	Unit	Specification
I	Hardness	D2240	Shore A	64 ± 2
II	Density	ASTM D792	gm/cc	1.23 ± 0.05
III	Tensile Strength, Min.	ASTM D412	Mpa	10
IV	Modulus @ 100 % Elongation, Min.	ASTM D412	Mpa	1.2
V	Elongation at Break, Min.	ASTM D412	%	350
VI	Compression Set, 22 hrs @ 70°C	ASTM D395, Method B	%	25
VII	Hot Air Ageing, 70 hrs @ 70°C Change in Hardness, Max. Change in Tensile Strength, Max. Change in Elongation, Max.	ASTM D573	Shore A % %	+ 10 -25 -25

NOTE: The Above Compound Meets As Per ASTM D2000 M5 AA 610 A13 B13 F17.

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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