

Product description:

KINRO6 ISM NR 80 is a Natural rubber, compounded with carbon black and reinforced with fabric and is sulfur curable.

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, Radiator Baffles.

Service temperature:

-40 °C to 70 °C

Product ranges:

Rubber Sheets, Radiator Baffles.

Physical properties:

S.NO	Description	ASTM Test Method	Unit	Specification
I	Hardness	D2240	Shore A	80 ± 5
II	Density	ASTM D792	gm/cc	1.45 ± 0.05
III	Tensile Strength, With Grain, Min.	ASTM D412	Mpa	4.8
IV	Tensile Strength, Across Grain, Min.		2.1	
V	Elongation at Break, With Grain, Min.		%	15
VI	Elongation at Break, Across Grain, Min.		%	40
VII	Tear Strength, With Grain, Min.		ASTM D624	kN/m
VIII	Tear Strength, Across Grain, Min.		kN/m	44
IX	Compression Set, 22 hrs @ 70°C	ASTM D395	%	50
X	Hot Air Ageing, 70 hrs @ 70°C Change in Hardness, Max.	ASTM D573	Shore A	± 10
	Change in Tensile Strength, With Grain, Max.		%	± 25
	Change in Tensile Strength, Across Grain, Max.		%	± 25
	Change in Elongation, With Grain, Max.		%	± 50
	Change in Elongation, Across Grain, Max.		%	± 50

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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