

DESSAWALA RUBBER INDUSTRIES

AN ISO 9001: 2015 COMPANY

TECHNICAL DATA SHEET

TECHNICAL DATA SHEET FOR NEOPRENE RUBBER MATERIAL FOR RUBBER Sheet

TDS NO.: DEESA-01

POLYMER: Neoprene Rubber

COLOR : BLACK

APPERANCE : SMOOTH

FOR SIZE : As per Customer Specs

SL. No.	Description	Unit	Specified Value	Test Method	Analysis Report
1.	Hardness	IRHD/Shore A	60±5	ISO 48	64-65
2.	Tensile Strength	MPa	9 Min.	ISO 37	10.5 – 11.2
3.	Elongation at break	%	300 Min	ISO 37	400 – 500
4.	Compression Set				
a)	At 70 ± 2°C for 24 hrs	%	20 Max	ISO 815	11.15 – 12.5
b)	At 23 ± 2°C for 72 hrs	%	12 Max	ISO 815	9.40 – 10.20
c)	At -10 ± 2°C for 72 hrs	%	50 Max	ISO 815	40.50 – 42.5
5.	Ageing at 70 ± 2°C for 7 days			ISO 188	
a)	Change in Hardness	IRHD/Shore A	-5/+8	ISO 48	+2 to +3
b)	Tensile Strength change	%	-20 Max	ISO 37	-3.10 to -2. 20
c)	Elongation Change	%	-30 / +10	ISO 37	-5 .15 to -3. 25
6	Volume change in water at 70 ± 2°C for 7 days	%	-1 / +8	ISO 1817	1.80 – 1.90
7	Stress Relaxation at 23°C for 7 Days	%	15 Max	ISO 3384	9.10

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.

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8	Stress Relaxation at 23°C for 100 Days	%	22 Max	ISO 3384	15.25
9	Ozone Resistance at 50 pphm, 40°C for 48hrs	Visual	No Crack	ISO 1431-1	No Crack

Note: The above results are conforming to EN 681-1: 1996 and ISO 4633 current standards.

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