

DESSAWALA RUBBER INDUSTRIES

AN ISO 9001: 2015 COMPANY

TECHNICAL DATA SHEET

TECHNICAL DATA SHEET FOR EPDM RUBBER MATERIAL FOR RUBBER GASKET

TDS NO.: DEESA-01

POLYMER: EPDM

COLOR : BLACK

APPEARANCE : SMOOTH

FOR SIZE : DN80 to DN 3000

| SL. No. | Description | Unit | Specified Value | Test Method | Analysis Report |
|---------|---|-----------------|-----------------|-------------|------------------|
| 1. | Hardness | IRHD/Shore A | 60±5 | ISO 48 | 59-64 |
| 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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