

MDTS030

9.30.30

रेल कोच फैक्ट्री, कपूरथला
RAIL COACH FACTORY, KAPURTHALA.

MD 22263

dt. 22/11/95

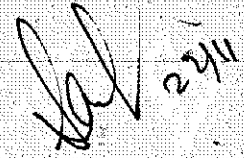
Sub: Issue of EPDM specification (Spec no. MDTS030, in a revised format.

Please find enclosed here with the specification for EPDM (Spec no MDTS030) in original, for your office record and issue purpose.

It may be noted that this specification is similar to the earlier EPDM specification with even number, submitted earlier in record. The only difference being that it is in a new revised format.

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ADP - Dhase


(SANTOSH SINHA)
SME/0-2

SPECIFICATION FOR ETHYLENE-PROPYLENE-DIENE TERPOLYMER

MDTS. 020

Name	Designation	Signature	Date	Level
MR. P SINGH	SS/FD	<i>P Singh</i>	22-11-95	Prepare
MR. S SINHA	SME/D2	<i>S Sinha</i>	22/11/95	Agree
MR. P SINHA	DY. CME/D	<i>P Sinha</i>	22/11	Review
MR. S K GUPTA	CDE	<i>S K Gupta</i>	22/11	Approve

Issue	Details of Change	Date
0.0	First Issue	22-11-95

(S)

PREPARED BY

P Singh
22-11-95

AGREED BY

S Sinha 22/11/95

1.0 SCOPE:

This specification covers the requirements of Ethylene-Propylene-Diene Terpolymers (EPDM) for sealing purpose.

2.0 GENERAL REQUIREMENTS:

The material shall be ozone resistant, weather resistant, chemical resistant, operate between temperature range of -40 to +80°C & shall have good stability against atmospheric degradation.

3.0 REQUIREMENTS:

- | | |
|------------------------------------|--|
| 3.1 Tensile strength | 10 Newton/mm ² (Minimum) |
| 3.2 Hardness shore A/IRHD | 65 ± 5 |
| 3.3 Heat aging | 70 Hrs. @ 100°C, the following are allowable changes:- |
| | - Reduction of tensile strength - 35% Max. |
| | - Reduction of elongation-35% Max. |
| | - Difference in hardness-10° IRHD |
| 3.4 Rubber contents | 25% (Minimum) |
| 3.5 Ozone resistance | - 100 Hrs. at 38°C |
| | - 50 PPHM concentration - 30% Elongation |
| | - No visible cracks @ 2x & 10x Magnification |
| 3.6 Compression set | 22 Hrs. at 70°C with 25% compression - 40% Max. |
| 3.7 Manufacturing process (curing) | Microwave heating required for uniform curing |

PREPARED BY

BSingh
22-11-95

AGREED BY

Singh 22/11/95