

DMH 332 EPDM WHITE FDA Mechanical, Physical and Thermal Properties

Ethylene propylene diene rubber

| properties | condition | standard | unit | unit | unit |
|-----------------------------|-----------|--------------|-------------------|--------|------------------------|
| colour | | | | white | white |
| hardness | 23°C | ISO 868 | Shore A | 82 ± 5 | Shore A 82 ± 5 |
| modulus 100% | 23°C | DIN 53 504 | MPa | ≥ 4 | psi ≥ 580 |
| tensile strength | 23°C | DIN 53 504 | MPa | ≥ 8 | psi ≥ 1160 |
| elongation at break | 23°C | DIN 53 504 | % | ≥ 280 | % ≥ 280 |
| tear strength | 23°C | DIN ISO 34-1 | kN/m | ≥ | lbf/inch ≥ |
| spec. gravity | 23°C | ISO 1183 | kg/m ³ | 1230 | g/cm ³ 1,23 |
| rebound elasticity | 23°C | DIN 53 512 | % | 44 | % 44 |
| abrasion | 23°C | DIN 53 516 | mm ³ | 0 | mm ³ 0 |
| compression set | * | ISO 815 | % | ≤ 35 | % ≤ 35 |
| compression set | ** | ISO 815 | % | | % |
| compression set | *** | ISO 815 | % | | % |
| minimum service temperature | | | °C | -45 | °F -49 |
| maximum service temperature | | | °C | 130 | °F 266 |
| temp. max water/steam | | | °C | 130 | °F 266 |
| temp. max hot air | | | °C | 150 | °F 302 |

* 24h 70°C 25% def.

** 24h 100°C 25% def.

*** 24h 150°C 25% def.

Chemical Properties

Copolymer, based on ethylene, propylene and diene

Resistant to: (hot) water, acids, bases, ketones, HFC- and HFD-fluids, lyes

Not resistant to: aliphatic, aromatic and chlorinated hydrocarbons, greases, fuels, brake fluids based on polyglycols

Foodstuff approval: FDA compliant

Maximum recommended service temperature (FDA applications): 90 °C

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

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