

DMH 460 H. 5555HS

Mechanical, Physical and Thermal Properties

| PROPERTIES | CONDITION | STANDARD | UNIT | | UNIT | |
|-----------------------------|-------------|--------------|-------------------|--------|-------------------|--------|
| Colour | | | | orange | | orange |
| hardness | 23°C | ISO 868 | Shore A | | Shore A | |
| hardness | 23°C/3 sek. | ISO 868 | Shore D | 54 ± 3 | Shore D | 54 ± 3 |
| hardness | 23°C/15 sek | ISO 868 | Shore D | 54 ± 3 | Shore D | 54 ± 3 |
| modulus 100% | 23°C | DIN 53 504 | MPa | ≥ 15 | psi | ≥ 2175 |
| modulus 300 % | 23°C | DIN 53 504 | MPa | | psi | |
| tensile strength | 23°C | DIN 53 504 | MPa | ≥ 28 | psi | ≥ 4060 |
| elongation at break | 23°C | DIN 53 504 | % | ≥ 300 | % | ≥ 300 |
| tear strength | 23°C | DIN ISO 34-1 | kN/m | 124 | lbf/inch | 705 |
| spec. gravity | 23°C | ISO 1183 | kg/m ³ | 1190 | g/cm ³ | 1,19 |
| abrasion | | DIN 53 516 | mm ³ | 120 | mm ³ | 120 |
| compression set | * | ISO 815 | % | ≤ 60 | % | ≤ 60 |
| compression set | ** | ISO 815 | % | | % | |
| minimum service temperature | | | °C | -30 | °F | -22 |
| maximum service temperature | | | °C | 120 | °F | 248 |

* 24h 70°C 25% def. ** 24h 100°C 25% def. *** 24h 150°C 25% def.

Chemical Properties

Thermoplastic Polyester Elastomer (TPC-ET)

specially stabilized version for superior heat and oil resistance properties

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Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

DMH Dichtungs- und Maschinenhandel GmbH

Industriepark West 11
8772 Traboch
Austria
dmh.at

p. +43 (0)3833/200 60-0
f. +43 (0)3833/200 60-500
e. office@dmh.at

