

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/m³   | 1190   | g/cm³    | 1,19   |
| abrasion                    |             | DIN 53 516   | mm³     | 120    | mm³      | 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

revision: 03-2024

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

