

# DMH 108 HPU MDx blue

Mechanical, Physical and Thermal Properties

| PROPERTIES                  | CONDITION    | STANDARD     | UNIT              |         | UNIT              |         |
|-----------------------------|--------------|--------------|-------------------|---------|-------------------|---------|
| Colour                      |              |              |                   | blueish |                   | blueish |
| hardness                    | 23°C/3 sek.  | ISO 868      | Shore A           | 95 ± 2  | Shore A           | 95 ± 2  |
| hardness                    | 23°C/3 sek.  | ISO 868      | Shore D           | 46 ± 3  | Shore D           | 46 ± 3  |
| hardness                    | 23°C/15 sek. | ISO 868      | Shore D           |         | Shore D           |         |
| modulus 100%                | 23°C         | DIN 53 504   | MPa               | ≥ 15    | psi               | ≥ 2175  |
| modulus 300 %               | 23°C         | DIN 53 504   | MPa               | ≥ 28    | psi               | ≥ 4160  |
| tensile strength            |              | DIN 53 504   | MPa               | ≥ 45    | psi               | ≥ 6525  |
| elongation at break         | 23°C         | DIN 53 504   | %                 | ≥ 340   | %                 | ≥ 340   |
| tear strength               | 23°C         | DIN ISO 34-1 | kN/m              |         | lbf/inch          |         |
| spec. gravity               | 23°C         | ISO 1183     | kg/m <sup>3</sup> | 1240    | g/cm <sup>3</sup> | 1,24    |
| abrasion                    |              | DIN 53 516   | mm <sup>3</sup>   |         | mm <sup>3</sup>   |         |
| compression set             | *            | ISO 815      | %                 | ≤ 30    | %                 | ≤ 30    |
| compression set             | **           | ISO 815      | %                 | ≤ 38    | %                 | ≤ 38    |
| minimum service temperature |              |              | °C                | -20     | °F                | -4      |
| maximum service temperature |              |              | °C                | 90      | °F                | 194     |

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

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](http://dmh.at)

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

