

DMH 660 PTFE MF

Mechanical, Physical and Thermal Properties

| properties | condition | standard | unit | unit | unit |
|----------------------------------|----------------|--------------------|------------------------------------|-------|------------------------------------|
| colour | | | | grey | grey |
| density/specific gravity | 23 °C | DIN 53479 | kg/m ³ | 2300 | g/cm ³ 2,3 |
| hardness | 23 °C/3 sec. | ISO 868 | Shore D | 60±3 | Shore D 60±3 |
| hardness | 23°C/15 sec. | ISO 868 | Shore D | 59±3 | Shore D 59±3 |
| ball indentation hardness | 23 °C | DIN 53456 H 135/30 | MPa | | psi |
| tensile strength | 23 °C | ASTM D 4745-11a | MPa | ≥ 19 | psi ≥ 2755 |
| elongation at break | 23 °C | ASTM D 4745-11a | % | ≥ 230 | % ≥ 230 |
| compressive strength | 23 °C | DIN 53455 | MPa | | psi |
| thermal conductivity | | DIN 52612 | $\frac{J * 10^3}{m * h * K}$ | | $\frac{J * 10^3}{m * h * K}$ |
| coefficient of thermal expansion | 25 °C - 200 °C | | K ⁻¹ * 10 ⁻⁵ | | K ⁻¹ * 10 ⁻⁵ |
| coefficient of friction * | 23 °C | | μ | | μ |
| minimum service temperature | | | °C | -200 | °F -328 |
| maximum service temperature | | | °C | 260 | °F 500 |
| young's modulus | 23 °C | DIN 53457 | MPa | | psi |

* coefficient of friction dry dynamic Steel 16MnCr5 v=0,6m/s; p=0,05 MPa; t=5h

Chemical Properties

Filled PTFE

Resistant to almost all chemicals

Not resistant to halogenides, elemental fluorine, CF₃, molten alkali metals

Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

DMH GmbH

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DMH Dichtungs- und Maschinenhandel GmbH

A-8772 Traboch  Industriepark West 11

T: +43 (0)3833/200 60-0  F: +43 (0)3833/200 60-500

E: office@dmh.at  www.dmh.at

