

# DMH 622 PTFE BZ 60%

Mechanical, Physical and Thermal Properties

60 % bronze + 40 % virgin PTFE

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				brown		brown
density/specific gravity	23 °C	DIN 53479	kg/m <sup>3</sup>	3930	g/cm <sup>3</sup>	3,93
hardness	23 °C	ISO 868	Shore D	65 ±3	Shore D	65 ±3
hardness		ISO 868	Shore D		Shore D	
ball indentation hardness	23 °C	DIN 53456 H 135/30	MPa		psi	
tensile strength	23 °C	ASTM D 4745-11a	MPa	≥ 20	psi	≥ 2900
elongation at break	23 °C	ASTM D 4745-11a	%	≥ 150	%	≥ 150
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 <sup>-1</sup> * 10 <sup>-5</sup>		K <sup>-1</sup> * 10 <sup>-5</sup>	
coefficient of friction *	23 °C		μ		μ	
minimum service temperature			°C	-200	°F	-328
maximum service temperature			°C	260	°F	500
young's modulus		DIN 53457	MPa		psi	

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

## Chemical Properties

Resistant to almost all chemicals

Not resistant to halogenides, elemental fluorine, CF<sub>3</sub>, molten alkali metals

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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](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)

