

MATERIAL DATASHEET

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 ³	3930	g/cm ³	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 ⁻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		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, CF₃, molten alkali metals

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Detailed information concerning chemical resistance see DMH Chemical Resistance Guide

DMH

DMH Dichtungs- und Maschinenhandel GmbH

Industriepark West 11

8772 Traboch, Österreich

+43 833 200 60 0

