

## Data Sheet Type **MPM 030 non-asbestos**

<b>Material Description:</b>	die-moulded sinter metal friction material on iron, bronze, hard metal, ceramic basis. Extremely wear resistant but smooth to the mating.
<b>Colour:</b>	typically metallic.
<b>Availability:</b>	die-moulded flat pieces, standard geometries like round pucks, hexagons, squares, triangles etc.
<b>Applications:</b>	high temperatures and pressure loaded disc brakes and clutches in vehicles, industry, railways, wind generators (mills).

Technical Data	Measured Values*		Unit
Average Friction Coefficient $\mu$ Dry	Dynamic	0.45	
	Static	0.48	
Admissible Surface Pressure	Continuous	8	N/mm <sup>2</sup>
	Discontinuous	16	N/mm <sup>2</sup>
Admissible Gliding Speed	Continuous	60	m/s
	Discontinuous	110	m/s
Admissible Temperature	Continuous	600	°C
	Short Time	900	°C
Tensile Strength @20°C	DIN 53455	>1000	daN/cm <sup>2</sup>
Shear Strength @20°C	DIN 53422	>550	daN/cm <sup>2</sup>
Compression Strength @20°C	DIN 53454	>3000	daN/cm <sup>2</sup>
Hardness	DIN 53456 ball Ø5mm, 30s	70	N/mm <sup>2</sup>
Recommended Mating Material	Suitable grey cast iron (GG25/26, GGG), steel		
Bonding Ability	By brazing or mechanically by riveting or bolting		
Oil Resistance	DIN 53476	suitable	
Density	DIN 53479	5.6	g/cm <sup>3</sup>

\*The afm. Data were obtained from partial lining test and are average values subject to standard tolerance of  $\pm 5\%$ . The maximum admissible stress data should not be demanded simultaneously. In case of new development or quality rearrangements we recommend you to test the suitability of the friction material.