

Epramid® 6 MO

A standard extruded polyamide containing molybdenum disulphide particles that is universally applicable in the industry. The material is tough and highly impact resistant. The abrasion resistance is excellent. PA6 has excellent resistance to oils, greases and most detergents. It is not highly esistant to acids and alkalis.

General properties	Test method	Value	Unit
ISO code:	ISO 1183	PA6E	
Density:	ISO 1183-1	1,14	g/cm3
Water absorption in Air (23°C / 50% RH)	ISO 62	2,6	%
Water absorption in Air (23°C / 100% RH)	ISO 62	9	%
Resistance to hot water	n/a	=	
Weather resistance	n/a	_	
Mechanical properties			
Elongation at break:	ISO 527	>50	%
Ball indention hardness	ISO 2039	150	MPa
Tensile modules of elasticity	ISO 527	3200	MPa
Charpy impact strength - notched	ISO 179	3	kJ/m2
Charpy impact strength - unnotched	ISO 179	No Break	kJ/m2
Compressive stress at 1%	n/a	24	MPa
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Coefficient of friction	ASTM D 1894	0,4-0,6	
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Coefficient of friction		0,4-0,6 220	°C
Coefficient of friction Thermal properties	ASTM D 1894		°C °C
Coefficient of friction Thermal properties Melting temperature	ASTM D 1894 n/a	220	-
Coefficient of friction Thermal properties Melting temperature Max. allowable service temp (short period)	n/a n/a	220 160	°C
Coefficient of friction Thermal properties Melting temperature Max. allowable service temp (short period) Max. allowable service temp (long period)	n/a n/a n/a n/a	220 160 80	°C °C