

PBF16

MATERIAL	PBF16 is a high filled PTFE material with bronze and filler.
DESCRIPTION	The filler is for very heavy duty hydraulic oil lubricated applications. Especially used for high pressure and low to medium velocity. Even though it has medium low friction and fair chemical resistance, it won't disappoint you in its wear, extrusion and abrasion resistance. The compressive strength is also good. It has low dry running properties.
APPLICATION	Hydraulic oil lubricated applications.
TEMPERATURE	The temperature range is between -200 °C and 260 °C

Maximum and minimum working temperature is depending on the specific application criteria

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Color			Light green/brown
Specific gravity	ASTMD792 at 23 °C	g/cm3	3,85
Hardness	ASTMD2240 at 23 °C	Shore D	65
Tensile strength at break	ASTMD4894 at 23 °C	Mpa	17,3
Elongation at break	ASTMD4894 at 23 °C	%	253
Service temperature range	/	°C	-200/260

The above values are typical

The information in this datasheet is based on many years of experience in the application of PBF16. However, unknown parameters and conditions may restrict general statements during usage. It is vital that users satisfy themselves as to the suitability of individual products through adequate testing. For this reason and due to the wide range of applications of our products, AST B.V. can accept no liability as to the suitability or correctness of our recommendations in individual cases. The application limits for pressure, temperature and velocity given in this datasheet are maximum values determined in the test laboratory. During practical applications it should be remembered that due to the interaction of the operating parameters, the maximum values must be set correspondingly lower. For exceptional operating conditions, please contact us.