

PT114 datasheet

Compound:

PT114 is PTFE compounded with carbonfiber, graphite and additives for many very high duty oil, water and unlubricated applications.

Qualifications:

Medium low friction
 Good chemical resistance
 Very good wear resistance
 Very good extrusion resistance
 Very good compressive strength
 Very good dry running capacities
 Very good abrasion resistance

Typical properties

Physical properties	test method	unit	value
Color			grey
Specific gravity	ASTM D792 at 23°C	g/cm ³	1,99
Hardness	ASTM D2240 at 23°C	Shore D	59
Tensile strength at break	ASTM D4894 at 23°C	Mpa	14,7
Elongation at break	ASTM D4894 at 23°C	%	219
thermal properties	unit	min.	max.
Service temperature range	°C	-200	280

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

The above values are typical

The information in this datasheet is based on many years of experience in the application of PT114. 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.