

HPU30

Mechanical, Physical and Thermal Properties

MATERIAL	HPU30 is a Copolymer, based on aromatic isocyanate and diols
DESCRIPTION	Medium friction, good ozone resistance, very good wear resistance, good extrusion resistance, good compressive strength, fair dry running capacity, very good abrasion resistance, suitable for hard and soft mating surfaces.
APPLICATION	It is suitable for heavy-duty sealing applications, lubricating and non-lubricating, (hot) water media.

Properties	Condition	Standard	Unit	Value
Colour				
Hardness	23°C/15sec	ASTM D2240	Shore D	70
Tensile strength		DIN 53504-S2	MPa	30
Elongation at break	23°C	DIN 53504-S2	%	175
Minimum service temperature			°C	-30
Maximum service temperature			°C	110
Maximum and minimum temperatures can be adjusted confirm to the application. For limitations for special applications, please contact AST				

*24h 70C 25% def.

**24h 100 C 25% def.

The above values are typical

The information in this datasheet is based on many years of experience in the application of HPU30. 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.