

TPU136 Polyurethane 65 shore A Transparent

MATERIAL	TPU 65 Shore A Food and water supply approved. (EU. No. 10/2011 / FDA)
DESCRIPTION	TPU is a compounded polymer. This material is very flexible, UV resistant and very good abrasion resistant. The flexibility and the pressure resistance to 15 bars makes it a good sealing material. (Operating pressures to 8 bars). Free of softening agents and heavy metals.
APPLICATION	TPU's-wet have good resistance to water and moisture conditions. Hydrolysis resistant. It is especially suitable for food and water supply applications.
TEMPERATURE	-35°C to +60°C continuously, +120°C as a peak temperature.

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Color			Transparent
Specific gravity	ISO1183 at 23°C	g/cm ³	1,15
Hardness	ISO868 at 23°C	Shore A	65 +/- 3
Burstpressure		Mpa	1,5
Elongation at break	DIN53504 at 23°C	%	>150
Service temperature range		°C	-35 / 60

The above values are typical

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