

Technogel®

Datasheet | BTG Standard

Product Description

Technogel® represents a dimensionally stable polyurethane gel which, due to its chemical structure, is characterized particularly by the following material property profile.

Product Properties

- dimensionally stable
- good absorption of shear forces
- very good buffering capacity
- good pressure distribution
- non-irritating to the skin
- lightfast
- high elasticity
- high shock absorption
- individually adjustable hardness
- advanced adhesion when combined with glue
- unplasticized

Delivery Types

Individually molded profile parts as well as sheets based on customer needs in the size 1,000 x 500 x 1.5 to 10mm.

Technical Data

Test Property	Method	Unity					
Shore (000)	ASTM D 2240	-	50 55	60 65	70 75	80 85	90
Density	DIN 53 479	(kg/m ³)	1060 +/- 50	1060 +/- 50	1060 +/- 50	1060 +/- 50	1060 +/- 50
Tensile strength	ISO 1798	(kPa)	>500 >600	>700	>800	>800	>800
Elongation at Break	ISO 1789	(%)	>1000	>1000 >800	>700 >500	>300 >150	>100
Compression Rest Set	ISO 1856	(%)	<10	<10	<10	<10	<10
Temperature Stability	-	°C	-30 to + 80	-30 to + 80	-30 to + 80	-30 to + 80	-30 to + 80

Standards

Oeko-Tex 100	REACH & RoHS	Aliphatic	UV-Stabilized	Color
yes	yes	yes	yes	customizable, translucent to opaque

This information is given to the best of our knowledge; however, no legal claim can be derived from this. In case specific questions should arise, please kindly contact our department for application technique.