

### 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	-	20   25	30   35	40   45	50	90
Density	DIN 53 479	(kg/m <sup>3</sup> )	1030 +/- 50	1030 +/- 50	1060 +/- 50	1060 +/- 50	1060 +/- 50
Tensile strength	ISO 1798	(kPa)	>50	>60   >70	>70   >100	>100	>800
Elongation at Break	ISO 1789	(%)	>400	>350   >300	>300   >250	>250	>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.