

Datasheet | Gel Membrane

Product Discription

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
- very good buffering capacity
- good pressure distribution
- non-irritating to the skin
- high elasticity
- individually adjustable hardness
- self-glueing properties
- advanced adhesion when combined with glue

Delivery Types

- individually deep drawn gel-sheets in different dimensions
- up to the size 2600mm x 1600mm and thickness from 1.5mm to 5mm
- delivery as role material possible
- individually molded geometrys depending on customer requirements

Technical Data

Test Proberity	Method	Unity			
Shore (000)	ASTM D 2240	-	60	70	15 A*
Density	DIN 53 479	(g/cm3)	1150 +/- 50	1150 +/- 50	150 +/- 50
Tensile strength	ISO 1798	(kPa)	>1500	>3500	>4200
Elongation at Break	ISO 1789	(%)	>1500	>1200	>1000
Compression Rest Set	ISO 1856	(%)	<10	<10	<10
Temperature Stability	-	°C	-30 to +80	-30 to +80	-30 to +80

*up to 30A possible, but no Technical data available jet. Please contact your Technogel® representative for more information.

Standards

Oeko-Tex 100	REACH & RoHS	Aliphatic	UV-Stablilized	Color
no	yes	no	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.