

# Technogel® *UV resistant*

Status: 01/04/2017

## 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:

- breathable
- dimensionally stable
- good absorption of shear forces
- very good buffering capacity and good pressure distribution
- non-irritating to the skin (Fresenius Institute, Öko-Tex 100)
- high elasticity
- high shock absorbing power
- individually adjustable hardness
- adheres well with glue
- unplasticised
- light-fast

## Available 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 10 mm.

## Technical data BTG 180:

Test properties	Unity	Method	
Tensile strength (3mm gel without film)	[kPa]	DIN EN ISO 1798	minimum 800
Elongation at break (3mm gel without film)	[%]	DIN EN ISO 1798	minimum 100
Shore (000)	/	ASTM D 2240	90 ± 3
Compression Rest Set	[%]	DIN EN ISO 1856	< 10
Density	[kg/m <sup>3</sup> ]	DIN EN ISO 845	1006
Temperature Stability	°C		-30 to +80

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.