

## Datasheet | BTG FR Flame

### 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
- high elasticity
- high shock absorption
- individually adjustable hardness
- advanced adhesion when combined with glue
- unplasticized

### Delivery Types

Individually molded profile parts based on customer needs.

### Technical Data

Test Property	Method	Unity				
Shore (000)	ASTM D 2240	-	40	50	65	70
Density	DIN 53 479	(kg/m <sup>3</sup> )	1100 +/- 50	1100 +/- 50	1100 +/- 50	1100 +/- 50
Tensile strength	ISO 1798	(kPa)	>300	>500	>900	>1000
Elongation at Break	ISO 1789	(%)	>1000	>900	>800	>600
Water absorption	ISO 1856	(%)	<1.5	<1.5	<1.5	<1.5
Temperature Stability	-	°C	-40 to + 110	-40 to + 110	-40 to + 110	-40 to + 110

### Standards

OEKO-TEX 100	REACH & RoHS	AROMATIC	FLAME RETARDANT	COLOR	WATER ABSORPTION
no	yes	yes	yes Level V2 UL94	base color beige, customizable	low

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.