

GF-PEEK Technical Data Sheet(TDS)

Mechanical Properties	Parameter	Norm	Value	Unit
Tensile Strength	50 mm/min	DIN EN ISO 527-2	105	MPa
Tensile Modulus	50 mm/min	DIN EN ISO 527-2	7250	MPa
Flexural Strength		DIN EN ISO 178	130	MPa
Flexural Modulus		DIN EN ISO 178	7625	MPa
Elongation at Break	50 mm/min	DIN EN ISO 527-2	2.5	%
Impact Strength (Charpy)	max. 7,5J	DIN EN ISO 179-1eU	73	kJ/m ²
Thermal properties	Parameter	Norm	Value	Unit
Glass Transition Temperature		DIN EN ISO 11357	143	°C
Melting Temperature		DIN EN ISO 11357	341	°C
Service Temperature	Short term		300	°C
Service Temperature	Long term		260	°C

Other Properties	Parameter	Norm	Value	Unit
Water Absorption	24h/96h	DIN EN ISO 62	0.02/0.03	%
Resistance to weathering		-	-	
Flammability (UL94)	Corresponding to	DIN IEC 60695-11-10	V0	

Updated on November 11, 2022