



Technical Data Sheet

Glass fibre rods and profiles

Property	Direction	Unit	Testing Method	Profiles	Rods
Tensile Strength	LW	MPa	ASTM D638/GB1447-83	220-380	480-720
	LW	MPa		30-60	
Tensile Modulus	LW	GPa	ASTM D638/GB1447-83	16-25	35-40
	LW	GPa		5-8	
Flexural Strength	LW	MPa	ASTM D790/GB1449-83	220-390	650-880
	LW	MPa		60-100	
Flexural Modulus	LW	GPa	ASTM D790/GB1449-83	16-25	34-44
	LW	GPa		6-8	
Compressive Strength	LW	MPa	ASTM D695/GB1448-83	230-360	420-500
	LW	MPa		70-110	
Compressive Modulus	LW	GPa	ASTM D695/GB1448-83	17-25	
	LW	GPa		6-12	
Short beam shearing strength	LW	MPa	ASTM D2344	25-35	
Barcol Hardness			ASTM D2583	38-52	52
Relative Density		g/cm ³	ASTM D792	1.75-1.95	1.85-1.95

All information, recommendations, and advice on the part of R&G Faserverbundwerkstoffe GmbH are published to the best of our knowledge and belief. They are noncommittal and contain neither explicit nor tacit assurance or warranty of particular properties. The values specified for properties are typical figures. Recommendations or advice serve to describe our products and possible applications in a general or exemplary, but not specifically individual manner. In the course of the constant technical advancement and improvement of our products there may be changes to the characteristic values, copy, and diagrams; no specific reference is made to any such change. Owing to our products' wide and highly diverse range of potential applications far beyond any of our attempts to analyse, the customer alone is responsible for examining our products' suitability for the respective processes and purposes and their respective processibility. All and any protective rights and the applicable laws, terms, and conditions must be observed by the buyer or user of our products at their own responsibility. Publication is not a licence and does not intend the violation of any patents.