

TECHNICAL DATA

PRINCEFIBRE®

COMPOSITE PROFILES

mean values
tolerance +- 0,2
mm

article	article nr.	Resin	Weight Gram	mean values tolerance +- 0,2 mm		Internal Braiding	90° Winding	37° Braiding	Unidirectional	Mpa		Fiber volume content %	Tg (DSC) °C
				Outside diameter mm	Inside diameter mm					Targeted tensile strength >	Targeted tensile Modulus >		
GLASS ROD 2 mm	GR00200	vinylester	7	2,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 2,5 mm	GR00250	vinylester	10	2,5	0,0	No	No	No	Yes	> 1.350	>30	50-60	80
GLASS ROD 3 mm	GR00300	vinylester	15	3,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 4 mm	GR00400	vinylester	27	4,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 5 mm	GR00500	vinylester	40	5,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 5 mm black	GR00505	vinylester	42	5,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 6 mm	GR00600	vinylester	60	6,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 8 mm	GR00800	vinylester	108	8,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 9 mm	GR00900	vinylester	134	9,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 10 mm	GR01000	vinylester	162	10,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 11 mm	GR01100	vinylester	202	11,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 12 mm	GR01200	vinylester	242	12,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 13 mm	GR01300	vinylester	281	13,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 14 mm	GR01400	vinylester	330	14,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 15 mm	GR01500	vinylester	368	15,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 16 mm	GR01600	vinylester	428	16,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 18 mm	GR01800	vinylester	549	18,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 20 mm	GR02000	vinylester	668	20,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 22 mm	GR02200	vinylester	819	22,0	0,0	No	No	No	Yes	> 1.350	>30	>60	80
GLASS ROD 25 mm	GR02500	vinylester	1.001	25,0	0,0	No	No	No	Yes	> 1.350	>30	50-60	80
GLASS TUBE 4 x 2,5 mm	GT00425	vinylester	16	4,0	2,5	Yes	No	No	Yes	> 1.150	>35	>60	80
GLASS TUBE 5 x 3 mm	GT00530	vinylester	27	5,0	3,0	Yes	No	No	Yes	> 1.150	>35	>60	80
GLASS TUBE 6 x 4 mm	GT00640	vinylester	32	6,0	4,0	Yes	No	No	Yes	> 1.150	>35	50-60	80
GLASS TUBE 8 x 6 mm	GT00860	vinylester	45	8,0	6,0	Yes	No	No	Yes	> 1.150	>35	50-60	80
GLASS TUBE 10 x 6 mm	GT01060	vinylester	102	10,0	6,0	No	No	No	Yes	> 1.150	>35	50-60	80
GLASS TUBE 10 x 8 mm	GT01080	vinylester	59	10,0	8,0	Yes	No	No	Yes	> 1.150	>35	>60	80
GLASS TUBE 12 x 10 mm	GT01210	vinylester	73	12,0	10,0	Yes	No	No	Yes	> 1.150	>35	>60	80
GLASS TUBE 12 x 8 mm	GT01280	vinylester	135	12,0	8,0	No	No	No	Yes	> 1.150	>35	>60	80
GLASS TUBE 12 x 9 mm	GT01290	vinylester	106	12,0	9,0	No	No	No	Yes	> 1.150	>35	>60	80

TECHNICAL DATA



article	article nr.	Resin	Weight Gram	mean values tolerance +- 0,2 mm		Internal Braiding	90° Winding	37° Braiding	Unidirectional	Targeted tensile strength >	Targeted tensile Modulus >	Fiber volume content %	Tg (DSC) °C
				Outside diameter mm	Inside diameter mm								
GLASS TUBE 14 x 11 mm	GT01411	vinylester	127	14,0	11,0	Yes	No	No	Yes	> 1.150	>35	>60	80
GLASS TUBE 14 x 12 mm	GT01412	vinylester	83	14,0	12,0	Yes	No	No	Yes	> 1.150	>35	50-60	80
GLASS TUBE 16 x 12 mm	GT01612	epoxy	187	16,0	12,0	No	Yes	Yes	Yes	> 1.150	>35	>60	65
GLASS TUBE 20 x 17 mm	GT02017	epoxy	182	20,0	17,0	No	Yes	Yes	Yes	> 1.150	>35	>60	65
GLASS TUBE 23,5 x 20 mm	GT02320	epoxy	258	23,5	20,0	No	Yes	Yes	Yes	> 1.150	>35	>60	65
GLASS TUBE 30 x 27 mm	GT03027	epoxy	283	30,0	27,0	No	Yes	Yes	Yes	> 1.150	>35	>60	65
GLASS TUBE 38 x 34 mm	GT03834	epoxy	458	38,0	34,0	No	Yes	Yes	Yes	> 1.150	>35	50-60	65
GLASS TUBE 50 x 46 mm	GT05046	epoxy	606	50,0	46,0	No	Yes	Yes	Yes	> 1.150	>35	50-60	65
GLASS TUBE 60 x 56,5 mm	GT06056	epoxy	691	60,0	56,0	No	Yes	Yes	Yes	> 1.150	>35	>60	65
GLASS TUBE 80 x 76 mm	GT08076	epoxy	1.057	80,0	76,0	No	Yes	Yes	Yes	> 1.150	>35	>60	65