TECHNICAL DATA

(calculated values) date: 28-4-2017

PRINCEFIBRE®
COMPOSITE PROFILES

mean values tolerance +- 0,2 mm

article	article nr.	Resin	Weight (Gram)	Outside diameter (mm)	Inside diameter (mm)	Internal Braiding	90° Winding	37° Braiding	Unidirectional	Targeted tensile strength > (Mpa)	Targeted tensile Modulus > (Gpa)	Fiber volume content (%)	Tg (DSC) (°C)
GLASS ROD 2 mm	GR00200	vinylester	7	2,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 2,5 mm	GR00250	vinylester	10	2,5	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 3 mm	GR00300	vinylester	15	3,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 4 mm	GR00400	vinylester	27	4,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 5 mm	GR00500	vinylester	40	5,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 5 mm black	GR00505	vinylester	42	5,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 6 mm	GR00600	vinylester	60	6,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 8 mm	GR00800	vinylester	108	8,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 9 mm	GR00900	vinylester	134	9,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 10 mm	GR01000	vinylester	162	10,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 11 mm	GR01100	vinylester	202	11,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 12 mm	GR01200	vinylester	242	12,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 13 mm	GR01300	vinylester	281	13,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 14 mm	GR01400	vinylester	330	14,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 15 mm	GR01500	vinylester	368	15,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 16 mm	GR01600	vinylester	428	16,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 18 mm	GR01800	vinylester	549	18,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 20 mm	GR02000	vinylester	668	20,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 22 mm	GR02200	vinylester	819	22,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 25 mm	GR02500	vinylester	1.001	25,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80
GLASS ROD 30 mm	GR03000	vinylester	1.492	30,0	0,0	No	No	No	Yes	> 1.350	>30	40-50	80