

TECHNICAL DATA

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
CARBON ROD 2 mm	CR00200	vinylester	5	2,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 2,5 mm	CR00250	vinylester	7	2,5	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 3 mm	CR00300	vinylester	11	3,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 4 mm	CR00400	vinylester	19	4,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 5 mm	CR00500	vinylester	29	5,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 6 mm	CR00600	vinylester	42	6,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 7 mm	CR00700	vinylester	56	7,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 8 mm	CR00800	vinylester	74	8,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 9 mm	CR00900	vinylester	95	9,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 10 mm	CR01000	vinylester	114	10,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 11 mm	CR01100	vinylester	140	11,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 12 mm	CR01200	vinylester	166	12,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 14 mm	CR01400	vinylester	229	14,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 15 mm	CR01500	vinylester	263	15,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 16 mm	CR01600	vinylester	303	16,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 18 mm	CR01800	vinylester	375	18,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON ROD 20 mm	CR02000	vinylester	459	20,0	0,0	No	No	No	Yes	> 1.700	> 95	40-50	80
CARBON TUBE 3 x 1,5 mm	CT00315	vinylester	8	3,0	1,5	No	No	No	Yes	> 1.500	>85	40-50	80
CARBON TUBE 3 x 2 mm	CT00320	vinylester	6	3,0	2,0	No	No	No	Yes	> 1.500	>85	40-50	80
CARBON TUBE 4 x 2 mm	CT00420	vinylester	14	4,0	2,0	No	No	No	Yes	> 1.500	>85	50-60	80
CARBON TUBE 4 x 2,5 mm	CT00425	vinylester	12	4,0	2,5	Yes	No	No	Yes	> 1.500	>85	50-60	80
CARBON TUBE 5 x 3 mm	CT00530	vinylester	19	5,0	3,0	Yes	No	No	Yes	> 1.500	>85	40-50	80
CARBON TUBE 5 x 3,5 mm	CT00535	vinylester	15	5,0	3,5	Yes	No	No	Yes	> 1.500	>85	50-60	80
CARBON TUBE 6 x 3,5 mm	CT00635	vinylester	28	6,0	3,5	No	No	No	Yes	> 1.500	>85	50-60	80
CARBON TUBE 6 x 4 mm	CT00640	vinylester	24	6,0	4,0	Yes	No	No	Yes	> 1.500	>85	40-50	80
CARBON TUBE 7 x 5 mm	CT00750	vinylester	28	7,0	5,0	Yes	No	No	Yes	> 1.500	>85	40-50	80
CARBON TUBE 8 x 5 mm	CT00850	vinylester	45	8,0	5,0	No	No	No	Yes	> 1.500	>85	40-50	80
CARBON TUBE 8 x 6 mm	CT00860	vinylester	33	8,0	6,0	Yes	No	No	Yes	> 1.500	>85	40-50	80
CARBON TUBE 10 x 6 mm	CT01060	vinylester	74	10,0	6,0	No	No	No	Yes	> 1.500	>85	40-50	80

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				Outside diameter mm	Inside diameter mm					Targeted tensile strength >	Targeted tensile Modulus >	Fiber volume content	Tg (DSC)	
CARBON TUBE 10 x 7 mm	CT01070	vinylester	59	10,0	7,0	Yes	No	Yes	Yes	> 1.500	>85	40-50	80	
CARBON TUBE 10 x 8 mm	CT01080	vinylester	42	10,0	8,0	Yes	No	No	Yes	> 1.500	>85	40-50	80	
CARBON TUBE 12 x 10 mm	CT01210	vinylester	52	12,0	10,0	Yes	No	No	Yes	> 1.500	>85	40-50	80	
CARBON TUBE 12 x 8 mm	CT01280	vinylester	92	12,0	8,0	No	No	No	Yes	> 1.500	>85	40-50	80	
CARBON TUBE 12 x 9 mm	CT01290	vinylester	74	12,0	9,0	Yes	No	No	Yes	> 1.500	>85	40-50	80	
CARBON TUBE 14 x 10 mm	CT01410	epoxy	119	14,0	10,0	No	No	No	Yes	> 1.500	>85	>60	65	
CARBON TUBE 14 x 11 mm	CT01411	vinylester	89	14,0	11,0	Yes	No	No	Yes	> 1.500	>85	50-60	80	
CARBON TUBE 14 x 12 mm	CT01412	vinylester	62	14,0	12,0	Yes	No	No	Yes	> 1.500	>85	50-60	80	
CARBON TUBE 15 x 12 mm	CT01512	epoxy	100	15,0	12,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 16 x 13 mm	CT01613	epoxy	107	16,0	13,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 16 x 14 mm	CT01614	vinylester	74	16,0	14,0	Yes	No	No	Yes	> 1.500	>85	>60	80	
CARBON TUBE 18 x 16 mm THINWALL	CT01816	epoxy	85	18,0	16,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 20 x 17 mm	CT02017	epoxy	136	20,0	17,0	No	Yes	Yes	Yes	> 1.500	>85	50-60	65	
CARBON TUBE 20 x 18 mm THINWALL	CT02018	epoxy	94	20,0	18,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 22 x 20 mm THINWALL	CT02220	epoxy	101	22,0	20,0	No	Yes	Yes	Yes	> 1.500	>85	50-60	65	
CARBON TUBE 23,5 x 20 mm	CT02320	epoxy	192	23,5	20,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 25 x 20 mm	CT02520	epoxy	279	25,0	20,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 25 x 22 mm	CT02522	epoxy	175	25,0	22,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 26 x 24 mm THINWALL	CT02624	epoxy	123	26,0	24,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 29 x 26,5 mm	CT02926	epoxy	171	29,0	26,5	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 30 x 27 mm	CT03027	epoxy	213	30,0	27,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 30 x 28 mm THINWALL	CT03028	epoxy	143	30,0	28,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 32 x 28 mm	CT03228	epoxy	302	32,0	28,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 34 x 32 mm THINWALL	CT03432	epoxy	160	34,0	32,0	No	Yes	Yes	Yes	> 1.500	>85	50-60	65	
CARBON TUBE 35 x 32 mm	CT03532	epoxy	250	35,0	32,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 38 x 34 mm	CT03834	epoxy	351	38,0	34,0	No	Yes	Yes	Yes	> 1.500	>85	50-60	65	
CARBON TUBE 50 x 46 mm	CT05046	epoxy	464	50,0	46,0	No	Yes	Yes	Yes	> 1.500	>85	50-60	65	
CARBON TUBE 60 x 55 mm	CT06055	epoxy	723	60,0	55,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65	
CARBON TUBE 60 x 56,5 mm	CT06056	epoxy	513	60,0	56,5	No	Yes	Yes	Yes	> 1.500	>85	>60	65	

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				Outside diameter mm	Inside diameter mm								
CARBON TUBE 80 x 74 mm	CT08074	epoxy	1.142	80,0	74,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65
CARBON TUBE 80 x 76 mm	CT08076	epoxy	778	80,0	76,0	No	Yes	Yes	Yes	> 1.500	>85	>60	65