

Material classes	A	A	B	C	D	E	F	G	H	I
	$f_c(\epsilon=5,0\%)$ [N/mm <sup>2</sup> ]	$f_c(\epsilon=2,0\%)$ [N/mm <sup>2</sup> ]	E-Module [N/mm <sup>2</sup> ]	$\sigma_{zul}$ [N/mm <sup>2</sup> ]	$\lambda$ [W/mK]	$\mu$ [-]	max. H <sub>2</sub> O absorption [Vol%]	Fire classification	Elongation at max. force [%]	Final creep rate [%]
CF 100	1,4	0,8	40	0,56	0,0387				> 10	
CF 125	1,65	1,1	55	0,78	0,0405				> 10	
CF 150	1,9	1,32	65	0,83	0,0423				> 10	
CF 200	3,5	1,48	74	1,01	0,0459	25	~5	E (B1)	> 10	<3,0
CF 300	6,4	3,21	162	2,39	0,0531				> 8	
CF 400	9,7	4	200	4,18	0,0650				> 5	
CF eco	1,75	0,95	46	0,58	0,0450				> 10	

- A Average stress at 5,0 % / 2,0 % deformation
- B Modulus of elasticity in linear-elastic range
- C Recommended stress level (under service load)
- D Coefficient of thermal conductivity
- E Water vapor diffusion resistance factor
- F Max. water absorptive capacity during complete submersion
- G Material behaviour in response to fire according to DIN 4102-1 / EN 13501-1
- H Elongation at maximum force = maximum strain at failure load
- I Final creep rate = anticipated long-term deformation at serviceability limit state



"The information provided is based on current knowledge and experience. This data sheet may become invalid and we reserve the right to make changes to designs and processes as we continually improve quality. Processing instructions including full system component details should be adhered to. Visit [partel.com](http://partel.com) for the most up to date information"



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