

# FRP threaded rod&nut

## Technical data

Item	Test Method	Unit	M8	M10	M12	M16	M20	M24
Ultimate thread shear strength	—	KN	5.8	6.5	9	16	23	48
Flexural strength	ASTM D790	Mpa	900	905	890	860	850	820
Flexural modulus	ASTM D790	Gpa	19.2	19.6	18.5	19.3	19.1	18.8
Transverse shear on FRP Stud-double shear	ASTM B565	KN	14	22	30	55	75	120
Water absorption (24 hours)	ASTM D570	%	0.05	0.05	0.05	0.05	0.05	0.05
Coefficient of thermal expansion (longitudinal)	ASTM D696	10 <sup>-6</sup>	2.0	2.0	2.0	2.0	2.0	2.0
Recommended maximum installation torque strength		N.m	5	10	15	25	35	75
Flammability	UL 94					V0/V1		

### Remarks:

- (1) The data mentioned in this sheet are average values ascertained by current statistical returns and tests.
- (2) The above data is provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.