

Glass Fiber Reinforced Polymer (GFRP) Rebars

Data Sheet OF Grade I(G40) ribbed GFRP Rebars

Designated Bar Diameter (CSA S807 Table 1)	Nominal Cross-Sectional Area (CSA S807 Table 1)	Guaranteed Ultimate Tensile Strength ^a (ASTM D7205)	Guaranteed Tensile Modulus of Elasticity ^a (ASTM D7205)	Guaranteed Transverse Shear strength ^a (ASTM D7617)
mm	mm ²	MPa	MPa	MPa
8	50	800	40000	125
10	71			
13	129			
15	199			
20	284			
22	387			
25	510			
30	645			

- The nominal cross-sectional area is not based on designated diameter.
- Tensile properties were calculated using nominal cross-sectional areas.
- ^a Guaranteed value: Average value – 3 × standard deviation (ACI 440 2015)
- The designers should contact the bar manufacturer for the latest updates of this technical data sheet



Address: 1200 McGill College Ave. #1100 Montreal, QC, Canada, H3B 4G7

Tel.: +1 800-503-9139 | +1 438-830-9999

Website: www.sftcanada.com

Glass Fiber Reinforced Polymer (GFRP) Rebars

Data Sheet OF Grade II(G50) ribbed GFRP Rebars

Designated Bar Diameter (CSA S807 Table 1)	Nominal Cross-Sectional Area (CSA S807 Table 1)	Guaranteed Ultimate Tensile Strength ^a (ASTM D7205)	Guaranteed Tensile Modulus of Elasticity ^a (ASTM D7205)	Guaranteed Transverse Shear strength ^a (ASTM D7617)
mm	mm ²	MPa	MPa	MPa
8	50	1000	50000	165
10	71			
13	129			
15	199			
20	284			
22	387			
25	510			
30	645			

- The nominal cross-sectional area is not based on designated diameter.
- Tensile properties were calculated using nominal cross-sectional areas.
- ^a Guaranteed value: Average value – 3 × standard deviation (ACI 440 2015)
- The designers should contact the bar manufacturer for the latest updates of this technical data sheet



Address: 1200 McGill College Ave. #1100 Montreal, QC, Canada, H3B 4G7

Tel.: +1 800-503-9139 | +1 438-830-9999

Website: www.sftcanada.com

Glass Fiber Reinforced Polymer (GFRP) Rebars

Data Sheet OF Grade III(G60) ribbed GFRP Rebars

Designated Bar Diameter (CSA S807 Table 1)	Nominal Cross-Sectional Area (CSA S807 Table 1)	Guaranteed Ultimate Tensile Strength ^a (ASTM D7205)	Guaranteed Tensile Modulus of Elasticity ^a (ASTM D7205)	Guaranteed Transverse Shear strength ^a (ASTM D7617)
mm	mm ²	MPa	MPa	MPa
8	50	1200	60000	187
10	71			
13	129			
15	199			
20	284			
22	387			
25	510			
30	645			

- The nominal cross-sectional area is not based on designated diameter.
- Tensile properties were calculated using nominal cross-sectional areas.
- ^a Guaranteed value: Average value – 3 × standard deviation (ACI 440 2015)
- The designers should contact the bar manufacturer for the latest updates of this technical data sheet



Address: 1200 McGill College Ave. #1100 Montreal, QC, Canada, H3B 4G7

Tel.: +1 800-503-9139 | +1 438-830-9999

Website: www.sftcanada.com