



Product Data Sheet - V•ROD BENT BARS 50

REVISION : Feb 2018

| | | #3 GFPR | #4 GFPR | #5 GFPR | #6 GFPR | #7 GFPR | #8 GFPR |
|--|-----|----------|----------|----------|----------|----------|----------|
| | | bent bar | bent bar | bent bar | bent bar | bent bar | bent bar |
| Minimum tensile strength (straight portion) <i>(ASTM D7205)</i> | MPa | 1022 | 1019 | 1001 | 1028 | 1005 | 992 |
| | ksi | 148 | 148 | 145 | 149 | 146 | 144 |
| Nominal tensile modulus (straight portion) <i>(ASTM D7205)</i> | GPa | 50 | | | | | |
| | ksi | 7246 | | | | | |
| Minimum tensile strength (bent portion) <i>(ACI 440.3R B5)</i> | MPa | 460 | 459 | 450 | 463 | 452 | 446 |
| | ksi | 67 | 66 | 65 | 67 | 66 | 65 |

| | | | | | | | |
|---|-----------------|--------|--------|--------|--------|--------|--------|
| Glass content <i>(ASTM D3171)</i> | % weight | 77,8 | 78 | 77,5 | 78,9 | 78,4 | 76,1 |
| Weight | g/m | 167 | 292 | 443 | 651 | 887 | 1136 |
| | lb/ft | 0.112 | 0.196 | 0.298 | 0.437 | 0.596 | 0.763 |
| Nominal cross-sectional area | mm ² | 71.26 | 126.68 | 197.93 | 285.02 | 387.95 | 506.71 |
| | in ² | 0.1105 | 0.1963 | 0.3068 | 0.4418 | 0.6013 | 0.7854 |
| Effective cross-sectional area <i>(CSA S806 Annex A)</i> | mm ² | 81.60 | 145.70 | 240.29 | 332.96 | 439.40 | 582.72 |
| | in ² | 0.1265 | 0.2258 | 0.3725 | 0.5161 | 0.6811 | 0.9032 |

COMPLIES WITH THE FOLLOWING STANDARDS :

- CSA S807 Grade II
- MTO Grade III
- ASTM D7957

It is the responsibility of the design engineers to contact the bar manufacturer to get the latest updates of this technical data sheet (also available at www.vrod.ca).

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