

MATERIAL DATA SHEET
ASTM A820 Type II
Steel Fiber Reinforcement for Concrete

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| Fiber Type: | Cut-Sheet Steel |
| Configuration: | NyconSF Type II fibers are continuously-deformed steel fibers with a rectangular cross-section. |
| Aspect Ratio: | The aspect ratio for all products does not exceed 60. As per ASTM A820, Section 8.2.3 the aspect ratio shall not vary more than $\pm 15\%$. |
| Tensile Strength: | Tensile strength of NyconSF Type II steel fibers shall be within the range of 60-120 ksi (414-828 MPa). Per ASTM A820, Section 9.1 the average tensile strength shall not be less than 50 ksi (345MPa). |
| Specific Gravity: | 7.86 |
| Bending: | NyconSF Type II steel fibers meet the requirements of ASTM A820, Section 10.1 as to fiber ductility. |
| Surface Conditions: | NyconSF Type II steel fibers meet the requirements of ASTM A820, Sections 11.1 and 11.2. |
| Modulus of Elasticity: | 29,000,000 |
| Melting Point: | 2760 degrees F (1516 degrees C) |
| Specification: | Steel fiber shall meet all the requirements of ASTM A820 Type II, cut-sheet steel. The fiber shall be made from cold rolled sheet steel with a tensile strength of between 60 and 120 ksi (414-828 MPa). Fibers shall have an aspect ration of less than 60 and lengths ranging from _" to 2" (13mm to 50mm). Steel fiber shall be distributed by Nycon, Inc., 101 Cross Street, Westerly, RI 02891- Street, Westerly, RI 02891-, Street, Westerly, RI 02891, Toll-free: 800 456 9266, Phone: 401 596 3955, Fax: 401 596 4242, E-mail: nycon@nycon.com , on the Web: www.nycon.com . |