

## H.C. Starck Amperit® 119.075 Molybdenum-Nickel SF RC 60 75-25 (Mo / NiSF)

Category : Metal , Nonferrous Metal

**Material Notes:**

Composition is of NiSF RC 60 only

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_HC-Starck-Amperit-119075-Molybdenum-Nickel-SF-RC-60-75-25-Mo-NiSF.php](http://www.lookpolymers.com/polymer_HC-Starck-Amperit-119075-Molybdenum-Nickel-SF-RC-60-75-25-Mo-NiSF.php)

| Physical Properties   | Metric           | English                           | Comments                                  |
|-----------------------|------------------|-----------------------------------|---|
| Apparent Bulk Density | 2.20 - 2.90 g/cc | 0.0795 - 0.105 lb/in <sup>3</sup> | Mo; ASTM B212                             |
|                       | 3.80 - 4.60 g/cc | 0.137 - 0.166 lb/in <sup>3</sup>  | NiSF RC 60; ASTM B212                     |
| Particle Size         | 20 Åµm           | 20 Åµm                            | Maximum of 3% less than, (NiSF RC 60)     |
|                       | 45 Åµm           | 45 Åµm                            | Maximum of 30% less than, (Mo)            |
|                       | 45 Åµm           | 45 Åµm                            | Maximum of 30%, Mo                        |
|                       | 53 Åµm           | 53 Åµm                            | Maximum of 10% greater than, (NiSF RC 60) |
|                       | 90 Åµm           | 90 Åµm                            | Maximum of 5% greater than, (Mo)          |

| Component Elements Properties | Metric        | English       | Comments |
|-------------------------------|---------------|---------------|----------|
| Boron, B                      | 3.0 - 3.9 %   | 3.0 - 3.9 %   |          |
| Carbon, C                     | 0.60 - 1.2 %  | 0.60 - 1.2 %  |          |
| Chromium, Cr                  | 13 - 17 %     | 13 - 17 %     |          |
| Iron, Fe                      | 2.4 - 4.6 %   | 2.4 - 4.6 %   |          |
| Nickel, Ni                    | 68.4 - 77.1 % | 68.4 - 77.1 % |          |
| Silicon, Si                   | 3.9 - 4.9 %   | 3.9 - 4.9 %   |          |

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