

Chase Plastics CP Pryme® N100HSL (DAM) Nylon 6, Heat Stabilized, Internally Lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Heat Stabilized

Material Notes:

Information provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-N100HSL-DAM-Nylon-6-Heat-Stabilized-Internally-Lubricated.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.14 g/cc | 1.14 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|----------------|-----------|
| Tensile Strength at Break | 80.7 MPa | 11700 psi | ASTM D638 |
| Elongation at Break | 50 % | 50 % | ASTM D638 |
| Flexural Strength | 107 MPa | 15500 psi | ASTM D790 |
| Flexural Modulus | 2.76 GPa | 400 ksi | ASTM D790 |
| Izod Impact, Notched | 0.427 J/cm | 0.800 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 182 °C | 360 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 71.1 °C | 160 °F | ASTM D648 |

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