

Ravago Manufacturing Americas Hylon® N2040MGL Nylon 6 (Cond)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N2040MGL-Nylon-6-Cond.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|--------------------------|
| Density | 1.48 g/cc | 0.0535 lb/in ³ | DAM; ASTM D792 |
| Water Absorption | 0.90 % | 0.90 % | 24 hrs, DAM; ASTM D570 |
| Linear Mold Shrinkage | 0.0040 cm/cm | 0.0040 in/in | 0.125 in, DAM; ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|-----------|-----------|
| Tensile Strength, Yield | 68.9 MPa | 10000 psi | ASTM D638 |
| Flexural Strength | 117 MPa | 17000 psi | ASTM D790 |
| Flexural Modulus | 4.73 GPa | 686 ksi | ASTM D790 |

| Processing Properties | Metric | English | Comments |
|-----------------------|-------------------|-----------------|----------|
| Melt Temperature | 260 - 282 °C | 500 - 540 °F | |
| Mold Temperature | 71.1 - 98.9 °C | 160 - 210 °F | |
| Drying Temperature | 73.9 °C | 165 °F | |
| Dry Time | 2 - 4 hour | 2 - 4 hour | |
| Moisture Content | 0.18 % | 0.18 % | |
| Back Pressure | 0.138 - 0.414 MPa | 20.0 - 60.0 psi | |
| Screw Speed | 50 - 120 rpm | 50 - 120 rpm | |

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