

NYCOA 7551 Copolymer Nylon Alloy

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

resistant to zinc chloride and other automotive fluids, good adhesion to olefins, mold & extrusion. Information provided by NYCOA, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYCOA-7551-Copolymer-Nylon-Alloy.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-------------|---------------------------|-----------|
| Density | 1.01 g/cc | 0.0365 lb/in ³ | ASTM D792 |
| Water Absorption | 0.50 % | 0.50 % | ASTM D570 |
| Linear Mold Shrinkage | 0.015 cm/cm | 0.015 in/in | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------|---------------|-----------|
| Tensile Strength, Yield | 35.0 MPa | 5080 psi | ASTM D638 |
| Elongation at Break | 350 % | 350 % | ASTM D638 |
| Flexural Yield Strength | 16.0 MPa | 2320 psi | ASTM D790 |
| Flexural Modulus | 0.400 GPa | 58.0 ksi | ASTM D790 |
| Izod Impact, Notched | 6.50 J/cm | 12.2 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|-----------|
| Melting Point | 200 °C | 392 °F | ASTM D789 |

| Processing Properties | Metric | English | Comments |
|---------------------------|---------|---------|----------|
| Processing Temperature | 250 °C | 482 °F | |
| Rear Barrel Temperature | 200 °C | 392 °F | |
| Middle Barrel Temperature | 230 °C | 446 °F | |
| Front Barrel Temperature | 250 °C | 482 °F | |
| Mold Temperature | 80.0 °C | 176 °F | |
| Drying Temperature | 76.0 °C | 169 °F | |

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