



ResMart Ultra Nylon 6– High performance nylon 6 for the most demanding applications

Technical Data Sheet Properties

| Physical Property | Value | Test Method |
|----------------------------------|---------------------|-------------|
| Specific Gravity | 1.13 | ASTM D792 |
| Tensile Strength | 11,000 psi | ASTM D638 |
| Flexural Modulus | 430,000 psi | ASTM D790 |
| Flexural Strength | 16,000 psi | ASTM D790 |
| Notched Izod Impact 0.125" | 0.8 ft-lbs/in | ASTM D256 |
| Unnotched Izod Impact 0.125" | No break | ASTM D256 |
| Tensile Elongation | > 10% | ASTM D638 |
| HDT @ 66 psi | 340 °F | ASTM D648 |
| Flammability | V-2 | UL94 |
| Molding Shrinkage 0.125" section | 0.013 – 0.017 in/in | ASTM D955 |
| Water Absorption | 1.9 % | ASTM D570 |
| RoHS Compliance | RoHS Compliant | |
| FDA | Yes | |

* Data herein is typical and not to be construed as specifications.

Injection Molding Processing Guidelines

| Setting | Value |
|------------------------|---------------------|
| Drying Temperature | 180 °F |
| Drying time | 2 hours |
| Suggested max moisture | 0.2 % |
| Dew point | 0 °F |
| Melt temperature | 470 - 535 °F |
| Mold temperature | 130 - 200 °F |
| Injection Pressure | 10,000 – 15,000 psi |

*** Desiccant type dryer required**

The information provided on this datasheet should only be used as a guideline. Actual lot to lot values will vary.

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