

NYCOA 2279

Plasticized Copolyamide Alloy

NYCOA 2279 is a modified nylon copolymer alloy that features outstanding flexibility, toughness, and transparency.

This resin has been developed for extrusion applications that demand high tenacity and strength, with ease of processability.

Typical applications include lawn & garden monofilament and fishing line.

| Property | Method | English | | SI | |
|---|--------|------------|--------|------|-------|
| | | Unit | Value | Unit | Value |
| Physical Properties | | | | | |
| Specific Gravity | D 792 | - | 1.13 | - | 1.13 |
| Mechanical Properties | | | | | |
| Tensile Strength | D 638 | psi | 8,400 | MPa | 58 |
| Ultimate Elongation | D 638 | % | 300+ | % | 300+ |
| Flexural Modulus | D 790 | psi | 65,000 | MPa | 448 |
| Flexural Strength | D 790 | psi | 3,000 | MPa | 21 |
| Notched Izod Impact | D 256 | ft.lbs./in | 2.5 | J/m | 134 |
| Thermal Properties | | | | | |
| Melting Temperature | D 789 | °F | 380 | °C | 193 |
| <small>All test specimens tested in "dry" state – less than 0.3% moisture. Izod Impact – ½" x ¼" bars. All tensile properties obtained at a testing speed of 50 mm./min.</small> | | | | | |
| <small>The information contained herein is based upon data believed to be thoroughly reliable. However, due to the many uses to which this material is put, and the different equipment and techniques used, we cannot guarantee results in specific instances. Nor should any statement herein be construed as a recommendation to use our products in the infringement of a patent.</small> | | | | | |