

Nylene® NX3411

Polyamide 6

Custom Resins Group

Message:

Extrusion grade nylon 6 resin suitable for film co-extrusion applications and blown film
Excellent melt stability and good melt strength
Superior grease resistance, toughness, resistance to abrasion, and does not absorb food odors
Meets the requirements of FDA regulation 21 CFR 177.1500 for direct food contact

| General Information | |
|---------------------|--------------------------|
| Additive | Nucleating Agent |
| Features | Food Contact Acceptable |
| | Good Abrasion Resistance |
| | Good Melt Strength |
| | Grease Resistant |
| | High Melt Stability |
| | Ultra High Toughness |
| | |
| Agency Ratings | FDA 21 CFR 177.1500 |
| Processing Method | Blown Film |
| | Coextrusion |

| Physical | Nominal Value | Unit | Test Method |
|---------------------------------|---------------|-------------------|-------------|
| Specific Gravity | 1.12 | g/cm ³ | ASTM D792 |
| Films | Nominal Value | Unit | Test Method |
| Secant Modulus - TD | 652 | MPa | ASTM D882 |
| Tensile Strength - TD | | | ASTM D882 |
| Yield | 37.8 | MPa | |
| Break | 59.6 | MPa | |
| Tensile Elongation - TD (Break) | 290 | % | ASTM D882 |
| Elmendorf Tear Strength - TD | 21.6 | kN/m | ASTM D789 |

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