

# Nylene® 615

Polyamide 6  
Custom Resins Group

Message:

Nylon-6 extrusion grade suitable for coating and film co-extrusion applications  
Excellent melt stability and 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 |                          |
|---------------------|--------------------------|
| Features            | Food Contact Acceptable  |
|                     | Good Abrasion Resistance |
|                     | Good Melt Strength       |
|                     | Good Toughness           |
|                     | Grease Resistant         |
|                     | High Melt Stability      |
|                     | Low Odor Transfer        |
| Agency Ratings      | FDA 21 CFR 177.1500      |
|                     | NSF Unspecified Rating   |
| Processing Method   | Coextrusion              |
|                     | Extrusion                |
|                     | Extrusion Coating        |
|                     | Film Extrusion           |

| Physical                        | Nominal Value | Unit              | Test Method |
|---------------------------------|---------------|-------------------|-------------|
| Specific Gravity                | 1.12          | g/cm <sup>3</sup> | ASTM D792   |
| Films                           | Nominal Value | Unit              | Test Method |
| Secant Modulus - MD             | 652           | MPa               | ASTM D882   |
| Tensile Strength - MD           |               |                   | ASTM D882   |
| Yield                           | 37.8          | MPa               |             |
| Break                           | 59.6          | MPa               |             |
| Tensile Elongation - MD (Yield) | 290           | %                 | ASTM D882   |
| Elmendorf Tear Strength (23°C)  | 21.6          | kN/m              | ASTM D1922  |
| Thermal                         | Nominal Value | Unit              | Test Method |
| Peak Melting Temperature        | 216           | °C                | ASTM D3418  |

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