

Nylene® BX3WQ662(X)

Polyamide 6
Custom Resins Group

Message:

Nylene BX3WQ662(X) is a advanced wire coating grade used for TH THHN Electrical Wire over PVC or as a standalone coating for copper or aluminium.
High Speed Grade
Used in circuit sizes where high speed production is used (up to 2500mpm)
Higher extractable levels (more flexibility)
Standard viscosity, heat stabilized, special nylon polymer, made specifically for wire jacketing.
Provides excellent performance in applications that require a combination of toughness, abrasion resistance and chemical resistance
UL listed and meeting the requirements of UL 83 for wire jacketing

| General Information | | | |
|--|--------------------------|-------------------|-------------|
| Features | Fast Molding Cycle | | |
| | General Purpose | | |
| | Good Abrasion Resistance | | |
| | Good Chemical Resistance | | |
| | Good Flexibility | | |
| | Good Toughness | | |
| | Heat Stabilized | | |
| Uses | General Purpose | | |
| | Wire Jacketing | | |
| Wire Types | THHN | | |
| Agency Ratings | UL 83 | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.13 | g/cm ³ | ASTM D792 |
| Moisture Content | 0.12 | % | |
| Relative Viscosity ¹ (20°C) | 2.65 to 2.95 | | |
| Copper Content | 35 | ppm | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 79.3 | MPa | ASTM D638 |
| Tensile Elongation | | | ASTM D638 |
| Yield | 5.8 | % | |
| Break | 67 | % | |
| Flexural Modulus | 2900 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -40°C | 55 | J/m | |
| -5°C | 59 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |

| | | | |
|--------------------------|-----|----|------------|
| Peak Melting Temperature | 216 | °C | ASTM D3418 |
| NOTE | | | |

1. 96% Sulphuric Acid

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