



**TRIVALENCE**

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# TriLON™ 662AM2(U,L,HS,N)

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## Polyamide Nylon 66

### General Information

#### Product Description

Nylon 66 Impact Modified, Lubed

#### FEATURES

- Good Impact
- Oil/Solvent Resistant
- Fast Cyling
- Excellent Chemical Resistance
- Gasoline Resistant
- Molybdenum Disulfide Lubricated

#### ADDITIONAL FORMULAS

- Added Lubricant "L"
- Additional UV "U"
- Additonal Heat Stabilizers "HS"
- Nucleated "N"

#### COLOR

- Dark Grey or Black Only

#### General

- Typical Applications** -Appliance, automotive, general, pumps, impellers, housings
- Processing Method** -Injection
- Form(s)** -Pellets
- Compliance** -RoHS Compliant - TVT
- Availability** -North America, Europe, Latin America

### ASTM / ISO Properties<sup>1</sup>

| Physical                                    | Nominal Value Unit     | Test Method         |
|---|------------------------|---------------------|
| Density                                     | 1.13 g/cm <sup>3</sup> | ASTM D792           |
| Molding Shrinkage - Flow (3.2mm)            | 1.1-1.6 %              | TVT Internal        |
| Outdoor Suitability (QUV) ("U" Grades)      | Pass                   | TVT Internal        |
| Mechanical                                  | Nominal Value Unit     | Test Method         |
| Tensile Strength, yld                       | 10500 psi              | ASTM D638           |
| Tensile Strain                              | >40 %                  | ASTM D638           |
| Flexural Modulus                            | 270000 psi             | ASTM D790           |
| Notched Izod Impact                         | 5 ft-lbs/in            | ASTM D256           |
| Thermal                                     | Nominal Value Unit     | Test Method         |
| Deflection Temperature Under Load (1.8 MPa) | 180 °F                 | ASTM D648           |
| Melting Point                               | 504 °F                 | TVT Internal        |
| Flammability                                | Nominal Value Unit     | Test Method         |
| 0.06 in                                     | HB                     | UL94 - TVT Internal |

### Recommended Processing Guidance

- Drying Temperature 150 to 175 °F
- Drying Time - DESSICANT 3 to 6 Hours
- Suggested Max Moisture 0.2 %
- Processing Melt Temperature 530 to 570 °F
- Mold Temperature 140 to 200 °F

<sup>1</sup> Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.