

# Hylon® N1000L2

Polyamide 66

Ravago Manufacturing Americas, LLC

Message:

Nylon 66

| General Information                |                |                   |             |
|------------------------------------|----------------|-------------------|-------------|
| UL YellowCard                      | E157012-224017 |                   |             |
| RoHS Compliance                    | RoHS Compliant |                   |             |
| UL File Number                     | E157012        |                   |             |
| Physical                           | Nominal Value  | Unit              | Test Method |
| Density                            | 1.14           | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage - Flow (3.18 mm) | 1.4 to 1.8     | %                 | ISO 294-4   |
| Water Absorption (23°C, 24 hr)     | 1.3            | %                 | ISO 62      |
| Mechanical                         | Nominal Value  | Unit              | Test Method |
| Tensile Stress (Break)             | 83.0           | MPa               | ISO 527-2   |
| Tensile Strain (Break)             | 30             | %                 | ISO 527-2   |
| Flexural Modulus                   | 3030           | MPa               | ISO 178     |
| Flexural Stress                    | 114            | MPa               | ISO 178     |
| Impact                             | Nominal Value  | Unit              | Test Method |
| Notched Izod Impact Strength       | 4.0            | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                            | Nominal Value  | Unit              | Test Method |
| Heat Deflection Temperature        |                |                   |             |
| 0.45 MPa, Unannealed               | 238            | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                | 88.0           | °C                | ISO 75-2/A  |
| Flammability                       | Nominal Value  |                   | Test Method |
| Flame Rating                       |                |                   | UL 94       |
| 1.50 mm                            | V-2            |                   |             |
| 3.00 mm                            | V-2            |                   |             |

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