

# Hylon® N1040ML

Polyamide 66

Ravago Manufacturing Americas, LLC

## Message:

Nylon 66, 40% Mineral Filled

| General Information                |                              |                   |             |
|------------------------------------|------------------------------|-------------------|-------------|
| UL YellowCard                      | E157012-224015               |                   |             |
| Filler / Reinforcement             | Mineral,40% Filler by Weight |                   |             |
| RoHS Compliance                    | RoHS Compliant               |                   |             |
| UL File Number                     | E157012                      |                   |             |
| Physical                           | Nominal Value                | Unit              | Test Method |
| Density                            | 1.50                         | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage - Flow (3.18 mm) | 0.70 to 1.0                  | %                 | ISO 294-4   |
| Water Absorption (23°C, 24 hr)     | 0.60                         | %                 | ISO 62      |
| Hardness                           | Nominal Value                | Unit              | Test Method |
| Rockwell Hardness (M-Scale)        | 94                           |                   | ISO 2039-2  |
| Mechanical                         | Nominal Value                | Unit              | Test Method |
| Tensile Stress (Break)             | 97.0                         | MPa               | ISO 527-2   |
| Tensile Strain (Break)             | 1.5                          | %                 | ISO 527-2   |
| Flexural Modulus                   | 8400                         | MPa               | ISO 178     |
| Flexural Stress                    | 159                          | 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                | 193                          | °C                | ISO 75-2/A  |
| Flammability                       | Nominal Value                |                   | Test Method |
| Flame Rating (1.50 mm)             | HB                           |                   | UL 94       |

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