

# Hylon® N1033 Series

N1033H, N1033L, N1033HL, N1033HLUV2, N1033EL, N1033EHL

Nylon 66

Ravago Manufacturing Americas



## Product Description

Nylon 66, 33% Glass Filled

| Property                             | Test Method | Value DAM | Cond. 50% RH | Units             |
|--------------------------------------|-------------|-----------|--------------|-------------------|
| <b>Physical</b>                      |             |           |              |                   |
| Specific Gravity                     | ISO 1138    | 1.38      |              | -                 |
| Water Absorption (24 hr, Immersed)   | ISO 62      | 0.7       |              | %                 |
| Shrinkage (Flow Direction, 1/8 in.)‡ | ISO 294-4   | 0.3-0.5   |              | %                 |
| <b>Mechanical</b>                    |             |           |              |                   |
| Strength at Break                    | ISO 527-1   | 193       |              | MPa               |
| Strain at Break                      | ISO 527-1   | 2.0       |              | %                 |
| Flexural Modulus                     | ISO 178     | 9300      |              | MPa               |
| Flexural Strength                    | ISO 178     | 269       |              | MPa               |
| Notched Izod Impact                  | ISO 180     | 7         |              | kJ/m <sup>2</sup> |
| Hardness (M-Scale)                   | ISO 2039    | -         |              | -                 |
| <b>Thermal</b>                       |             |           |              |                   |
| Heat Deflection Temperature          |             |           |              |                   |
| 0.45 MPa                             | ISO 75-2/B  | -         |              | °C                |
| 1.80 MPa                             | ISO 72-2/A  | 243       |              | °C                |
| <b>Flammability</b>                  |             |           |              | File Number       |
|                                      |             |           |              | E157012           |
| Flammability Classification          | UL 94       |           |              |                   |
| 1.5 mm                               |             | HB        |              | -                 |
| 3.0 mm                               |             | HB        |              | -                 |