



## HYLON® N2033STHL

Ravago Manufacturing Americas - Polyamide 6

Monday, November 4, 2019

### General Information

#### Product Description

Nylon 6, 33% Glass Filled, Superior Toughness

#### General

|                        |                                     |
|------------------------|-------------------------------------|
| Material Status        | • Commercial: Active                |
| Availability           | • North America                     |
| Filler / Reinforcement | • Glass Fiber, 33% Filler by Weight |
| Features               | • High Toughness                    |
| RoHS Compliance        | • RoHS Compliant                    |
| UL File Number         | • E157012                           |

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

| Physical                            | Nominal Value | Unit                  | Test Method |
|-------------------------------------|---------------|-----------------------|-------------|
| Density                             | 1.33          | g/cm <sup>3</sup>     | ISO 1183    |
| Molding Shrinkage - Flow (0.125 in) | 0.30 to 0.50  | %                     | ISO 294-4   |
| Water Absorption (24 hr, 73°F)      | 0.90          | %                     | ISO 62      |
| Mechanical                          | Nominal Value | Unit                  | Test Method |
| Tensile Stress (Break)              | 19000         | psi                   | ISO 527-2   |
| Tensile Strain (Break)              | 3.5           | %                     | ISO 527-2   |
| Flexural Modulus                    | 900000        | psi                   | ISO 178     |
| Flexural Stress                     | 23900         | psi                   | ISO 178     |
| Impact                              | Nominal Value | Unit                  | Test Method |
| Charpy Notched Impact Strength      | 7.6           | ft-lb/in <sup>2</sup> | ISO 179     |
| Notched Izod Impact Strength        | 7.6           | ft-lb/in <sup>2</sup> | ISO 180     |
| Hardness                            | Nominal Value | Unit                  | Test Method |
| Rockwell Hardness (R-Scale)         | 80            |                       | ISO 2039-2  |

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.