

Hylon® N1035HL BK310

Nylon 66

Ravago Manufacturing Americas



Product Description

Nylon 66, 35% Glass Filled

| Property | Test Method | Value DAM | Cond. 50% RH | Units |
|--------------------------------------|-------------|-----------|--------------|-------------------|
| Physical | | | | |
| Specific Gravity | ISO 1138 | 1.41 | | - |
| Water Absorption (24 hr, Immersed) | ISO 62 | 0.7 | | % |
| Shrinkage (Flow Direction, 1/8 in.)‡ | ISO 294-4 | 0.3-0.5 | | % |
| Mechanical | | | | |
| Strength at Break | ISO 527-1 | 210 | 145 | MPa |
| Strain at Break | ISO 527-1 | 3.0 | 5.0 | % |
| Flexural Modulus | ISO 178 | 9,900 | 7000 | MPa |
| Flexural Strength | ISO 178 | 300 | 200 | MPa |
| Notched Izod Impact | ISO 180 | 12 | | kJ/m ² |
| Unnotched Izod Impact | ISO 180 | 72 | | kJ/m ² |
| Hardness (M-Scale) | ISO 2039 | 98 | 85 | - |
| Thermal | | | | |
| Heat Deflection Temperature | | | | |
| 0.45 MPa | ISO 75-2/B | 260 | | °C |
| 1.80 MPa | ISO 72-2/A | 250 | | °C |
| Electrical | | | | |
| Dielectric Strength | IEC 60243 | 20 | | kV/mm |
| Volume Resistivity | IEC 60093 | 1.0E+16 | | ohm-cm |
| Flammability | | | | File Number |
| | | | | E157012 |
| Flammability Classification | UL 94 | | | |
| 1.5 mm | | HB | | - |
| 3.0 mm | | HB | | - |