



Hylon N1025STH4L2 BK397

Polyamide 66 Prime Compound

Product Description : 25% Glass Fiber Reinforced, Impact Modified, Black Color, Polyamide 66 Compound

Key Features : HYLON N1025STH4L2 BK397 is heat stabilized and lubricated PA66 compound with good toughness and stiffness properties

Process Method : Extrusion Process

Uses : Recommended for automotive applications

Revision Date : 01.09.2022

| | Value | Unit | Standard |
|---------------------------------------|---------|----------|--------------|
| Physical | | | |
| Density | 1,27 | gr / cm3 | ISO 1183 1-A |
| Mechanical | | | |
| Tensile Stress at Break | 120 | MPa | ISO 527-1 |
| Elongation at Break | 3.7 | % | ISO 527-1 |
| Tensile Modulus | 8000 | MPa | ISO 527-1 |
| Izod Impact Strength (Notched) (23°C) | 22 (PB) | kJ/m2 | ISO 180/1A |
| Charpy Impact Strength (Notched) | 19 | kJ/m2 | ISO 179/1A |
| Flexural Modulus | 6700 | Mpa | ISO 178 |
| Flexural Strength | 190 | Mpa | ISO 178 |
| Thermal | | | |
| HDT (1.8 Mpa) | 225 | °C | ISO 75A |
| Ash Content (600 °C) | 25 | % | ISO 3451-1 |
| Flammability | | | |
| Flammability (1,6 mm) | HB | * | UL 94 |
| Flammability (3,2 mm) | HB | * | UL 94 |

Drying Condition

| | |
|-----------------------|-------|
| Drying Time(hr) | 2-4 |
| Drying Temperature(C) | 80-90 |



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Molding Condition

| | |
|-------------------|---------|
| Barrel Rear | 275-285 |
| Barrel Center | 280-290 |
| Barrel Front | 285-295 |
| Nozzle | 295-300 |
| Mould Temperature | 80 |

Important Notice;

The above results are obtained from the tests conducted in Ravago Petrokimya laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. Ravago Petrokimya accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.