

Envir® PA66G15THL-BK0101

Polyamide 66

Barnet

Message:

Envir® PA66G15THL-BK0101 is a 15% Glass fiber reinforced Nylon 66 molding resin that is also highly Toughened. 66G15THL-BK0101 is Heat stabilized and hydrolysis resistant, it is optimized for strength and impact properties while giving excellent processability. It is provided Black in color.

| General Information | | | |
|---|----------------------------------|---------------|-------------|
| Filler / Reinforcement | Glass Fiber,15% Filler by Weight | | |
| Additive | Heat Stabilizer | | |
| | Hydrolysis Resistant | | |
| Features | Good Processability | | |
| | Heat Stabilized | | |
| | Hydrolysis Resistant | | |
| Appearance | Black | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.22 | g/cm³ | ASTM D792 |
| Melt Volume-Flow Rate (MVR) (280°C/2.16 kg) | 15.0 | cm³/10min | ASTM D1238 |
| Ash Content | 15 | % | ASTM D5630 |
| Moisture Content | < 0.20 | % | ASTM D6980 |
| Granularity | 3.40 | g/100 pellets | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 5780 | MPa | ISO 527-2 |
| Tensile Stress | | | ISO 527-2 |
| Yield | 110 | MPa | |
| Break | 108 | MPa | |
| Tensile Strain (Break) | 4.5 | % | ISO 527-2 |
| Flexural Modulus | 5330 | MPa | ISO 178 |
| Flexural Stress | 185 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength (23°C) | 15 | kJ/m² | ISO 180/A |
| Unnotched Izod Impact Strength (23°C) | 60 | kJ/m² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Peak Melting Temperature | 260 | °C | ASTM D3418 |

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