# Latamid 66 H2 G/25-V0KB4

Polyamide 66

LATI S.p.A.

## Message:

Compound based on Polyamide 66 (PA 66). Heat stabilised. Glass fibres. UL94 V-0 classified, with red phosphorous. Product UL certified.

| General Information | | | |
|---|---|---|---|
| UL YellowCard | E54080-243992 | E54080-243999 | E54080-517398 |
| | E54080-101361748 | E54080-101361749 | |
| Filler / Reinforcement | Glass Fiber,25% Filler by Weight | | |
| Additive | Flame Retardant | | |
| | Heat Stabilizer | | |
| Features | Flame Retardant | | |
| | Heat Stabilized | | |
| Processing Method | Injection Molding | | |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 1.33 | g/cm³ | ISO 1183 |
| Molding Shrinkage [1] | | | ISO 294-4 |
| Across Flow : 2.00 mm | 1.1 to 1.3 | % | |
| Flow : 2.00 mm | 0.40 to 0.70 | % | |

| Mechanical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Tensile Modulus | | | ISO 527-2/1 |
| 23°C | 6800 | MPa | |
| 60°C | 4700 | MPa | |
| 90°C | 2800 | MPa | |
| 120°C | 2300 | MPa | |
| 150°C | 2000 | MPa | |
| Tensile Stress | | | ISO 527-2/5 |
| Yield, 60°C | 70.0 | MPa | |
| Yield, 90°C | 50.0 | MPa | |
| Yield, 120°C | 40.0 | MPa | |
| Yield, 150°C | 35.0 | MPa | |
| Break, 23°C | 110 | MPa | |
| Break, 60°C | 70.0 | MPa | |
| Break, 90°C | 50.0 | MPa | |
| Break, 120°C | 40.0 | MPa | |
| Break, 150°C | 35.0 | MPa | |
| Tensile Strain | | | ISO 527-2/5 |

| | | | |
|---|---|---|---|
| Yield, 60°C | 3.5 | % | |
| Yield, 90°C | 5.0 | % | |
| Yield, 120°C | 5.0 | % | |
| Yield, 150°C | 4.8 | % | |
| Break, 23°C | 2.2 | % | |
| Break, 60°C | 4.0 | % | |
| Break, 90°C | 6.0 | % | |
| Break, 120°C | 6.0 | % | |
| Break, 150°C | 5.0 | % | |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -20°C | 8.0 | $kJ/m^2$ | |
| 23°C | 13 | $kJ/m^2$ | |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |
| -20°C | 50 | $kJ/m^2$ | |
| 23°C | 60 | $kJ/m^2$ | |
| Notched Izod Impact | | | ASTM D256A |
| -20°C, 3.20 mm | 70 | J/m | |
| 23°C, 3.20 mm | 100 | J/m | |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature | | | |
| 0.45 MPa, Unannealed | 260 | °C | ISO 75-2/B |
| 1.8 MPa, Unannealed | 220 | °C | ISO 75-2/A |
| Continuous Use Temperature [2] | 125 | °C | |
| Vicat Softening Temperature | 240 | °C | ISO 306/B50 |
| CLTE - Flow (30 to 100°C) | 1.2E-5 | cm/cm/°C | ASTM D696 |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Comparative Tracking Index (Solution A) | 500 | V | IEC 60112 |
| **Flammability** | **Nominal Value** | **Unit** | **Test Method** |
| Flame Rating | | | UL 94 |
| 0.750 mm | V-0 | | |
| 1.50 mm | V-0 | | |
| 3.00 mm | V-0 | | |
| Glow Wire Flammability Index | | | IEC 60695-2-12 |
| 1.00 mm | 960 | °C | |
| 2.00 mm | 960 | °C | |
| Glow Wire Ignition Temperature | | | IEC 60695-2-13 |
| 1.00 mm | 775 | °C | |
| 2.00 mm | 800 | °C | |
| Oxygen Index | 27 | % | ASTM D2863 |
| **Injection** | **Nominal Value** | **Unit** | |
| Drying Temperature | 90.0 to 100 | °C | |

| | | |
|---|---|---|
| Drying Time | 3.0 | hr |
| Processing (Melt) Temp | 270 to 290 | °C |
| Mold Temperature | 70.0 to 100 | °C |
| Injection Rate | Moderate | |

| NOTE | |
|---|---|
| 1. | at 60 Mpa of cavity pressure |
| 2. | 20,000 hr |



## Recommended distributors for this material

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