

# Latiohm 63-08 PD02 G/25

Polyamide 6

LATI S.p.A.

## Message:

Dissipative compound based on Polyamide 6 (PA 6), toughened.

Glass fibres. Product UL certified.

| General Information                     |                                  |                   |             |
|-----------------------------------------|----------------------------------|-------------------|-------------|
| UL YellowCard                           | E54080-476937                    |                   |             |
| Filler / Reinforcement                  | Glass Fiber,25% Filler by Weight |                   |             |
| Additive                                | Impact Modifier                  |                   |             |
| Features                                | Impact Modified                  |                   |             |
| Physical                                | Nominal Value                    | Unit              | Test Method |
| Density                                 | 1.26                             | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage <sup>1</sup>          |                                  |                   | ISO 294-4   |
| Across Flow : 2.00 mm                   | 0.65 to 0.90                     | %                 |             |
| Flow : 2.00 mm                          | 0.45 to 0.60                     | %                 |             |
| Mechanical                              | Nominal Value                    | Unit              | Test Method |
| Tensile Modulus (23°C)                  | 6100                             | MPa               | ISO 527-2/1 |
| Tensile Stress (Break, 23°C)            | 65.0                             | MPa               | ISO 527-2/5 |
| Tensile Strain (Break, 23°C)            | 2.5                              | %                 | ISO 527-2/5 |
| Impact                                  | Nominal Value                    | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)   | 10                               | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 40                               | kJ/m <sup>2</sup> | ISO 179/1eU |
| Notched Izod Impact (23°C, 3.20 mm)     | 110                              | J/m               | ASTM D256A  |
| Thermal                                 | Nominal Value                    | Unit              | Test Method |
| Heat Deflection Temperature             |                                  |                   |             |
| 0.45 MPa, Unannealed                    | 195                              | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                     | 145                              | °C                | ISO 75-2/A  |
| Vicat Softening Temperature             | 145                              | °C                | ISO 306/B50 |
| Electrical                              | Nominal Value                    | Unit              | Test Method |
| Surface Resistivity                     | 1.0E+9                           | ohms              | ASTM D257   |
| Flammability                            | Nominal Value                    | Unit              | Test Method |
| Flame Rating                            |                                  |                   | UL 94       |
| 0.750 mm                                | HB                               |                   |             |
| 1.50 mm                                 | HB                               |                   |             |
| 3.00 mm                                 | HB                               |                   |             |
| Injection                               | Nominal Value                    | Unit              |             |
| Drying Temperature                      | 90.0 to 100                      | °C                |             |
| Drying Time                             | 3.0                              | hr                |             |

|                        |              |    |
|------------------------|--------------|----|
| Processing (Melt) Temp | 240 to 280   | °C |
| Mold Temperature       | 60.0 to 90.0 | °C |
| Injection Rate         | Moderate     |    |

#### NOTE

1. at 60 Mpa of cavity pressure

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