

# Ravamid® R200 GB 30

Polyamide 6

Ravago Group

Message:

30% glass bead reinforced PA6 compound for injection moulding

| General Information                               |                                 |                   |                 |
|---------------------------------------------------|---------------------------------|-------------------|-----------------|
| Filler / Reinforcement                            | Glass Bead,30% Filler by Weight |                   |                 |
| Processing Method                                 | Injection Molding               |                   |                 |
| Physical                                          | Nominal Value                   | Unit              | Test Method     |
| Density                                           | 1.35                            | g/cm <sup>3</sup> | ISO 2781        |
| Molding Shrinkage                                 |                                 |                   | ISO 294-4       |
| Across Flow                                       | 0.90                            | %                 |                 |
| Flow                                              | 0.90                            | %                 |                 |
| Mechanical                                        | Nominal Value                   | Unit              | Test Method     |
| Tensile Modulus                                   | 3600                            | MPa               | ISO 527-2       |
| Tensile Stress (Yield)                            | 72.0                            | MPa               | ISO 527-2       |
| Tensile Strain (Break)                            | 8.5                             | %                 | ISO 527-2       |
| Impact                                            | Nominal Value                   | Unit              | Test Method     |
| Notched Izod Impact Strength                      | 5.6                             | kJ/m <sup>2</sup> | ISO 180/1A      |
| Thermal                                           | Nominal Value                   | Unit              | Test Method     |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 190                             | °C                | ISO 75-2/A      |
| Vicat Softening Temperature                       | 200                             | °C                | ISO 306/B50     |
| Melting Temperature                               | 220 to 225                      | °C                |                 |
| Flammability                                      | Nominal Value                   |                   | Test Method     |
| Flame Rating <sup>1</sup> (1.60 mm)               | HB                              |                   | Internal Method |
| NOTE                                              |                                 |                   |                 |
| 1.                                                | UL94 internally tested          |                   |                 |

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