

# Wellamid® GFT15N050-WBK

Polyamide 66  
Wellman Engineering Resins

Message:

Wellamid® GFT15N050-WBK is a Polyamide 66 (Nylon 66) material filled with 15% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America.  
Important attributes of Wellamid® GFT15N050-WBK are:  
Good Weather Resistance  
Impact Modified  
Typical application of Wellamid® GFT15N050-WBK: Automotive

| General Information                               |                                  |       |             |
|---------------------------------------------------|----------------------------------|-------|-------------|
| Filler / Reinforcement                            | Glass Fiber,15% Filler by Weight |       |             |
| Additive                                          | Impact Modifier                  |       |             |
| Features                                          | Good Weather Resistance          |       |             |
|                                                   | Impact Modified                  |       |             |
| Forms                                             | Pellets                          |       |             |
| Physical                                          | Nominal Value                    | Unit  | Test Method |
| Density                                           | 1.20                             | g/cm³ | ISO 1183    |
| Molding Shrinkage                                 |                                  |       | ISO 294-4   |
| Across Flow : 23°C                                | 0.90 to 1.3                      | %     |             |
| Flow : 23°C                                       | 1.0 to 1.4                       | %     |             |
| Mechanical                                        | Nominal Value                    | Unit  | Test Method |
| Tensile Stress (Yield, 23°C)                      | 80.0                             | MPa   | ISO 527-2   |
| Tensile Strain (Yield, 23°C)                      | 3.0                              | %     | ISO 527-2   |
| Flexural Modulus (23°C)                           | 4200                             | MPa   | ISO 178     |
| Flexural Stress (23°C)                            | 115                              | MPa   | ISO 178     |
| Impact                                            | Nominal Value                    | Unit  | Test Method |
| Notched Izod Impact Strength (23°C)               | 11                               | kJ/m² | ISO 180     |
| Thermal                                           | Nominal Value                    | Unit  | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 215                              | °C    | ISO 75-2/A  |
| Melting Temperature (DSC)                         | 260                              | °C    | ISO 3146    |

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