

# Clariant Nylon 6/12 612G43-L

Polyamide 612  
Clariant Corporation

Message:

Clariant Nylon 6/12 612G43-L is a Polyamide 612 (Nylon 612) material filled with 43% glass fiber. It is available in North America for injection molding. Primary attribute of Clariant Nylon 6/12 612G43-L: Lubricated.

| General Information               |                                  |                   |             |
|-----------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement            | Glass Fiber,43% Filler by Weight |                   |             |
| Additive                          | Lubricant                        |                   |             |
| Features                          | General Purpose                  |                   |             |
|                                   | Lubricated                       |                   |             |
| Forms                             | Pellets                          |                   |             |
| Processing Method                 | Injection Molding                |                   |             |
| Physical                          | Nominal Value                    | Unit              | Test Method |
| Specific Gravity                  | 1.41                             | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow          | 0.30                             | %                 | ASTM D955   |
| Water Absorption (24 hr)          | 0.17                             | %                 | ASTM D570   |
| Mechanical                        | Nominal Value                    | Unit              | Test Method |
| Tensile Strength                  | 159                              | MPa               | ASTM D638   |
| Tensile Elongation (Break)        | 4.0                              | %                 | ASTM D638   |
| Flexural Modulus                  | 8270                             | MPa               | ASTM D790   |
| Flexural Strength                 | 241                              | MPa               | ASTM D790   |
| Impact                            | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact               | 120                              | J/m               | ASTM D256   |
| Thermal                           | Nominal Value                    | Unit              | Test Method |
| Deflection Temperature Under Load |                                  |                   | ASTM D648   |
| 0.45 MPa, Unannealed              | 210                              | °C                |             |
| 1.8 MPa, Unannealed               | 210                              | °C                |             |
| Melting Temperature               | 212                              | °C                |             |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

