

# Edgetek™ NI-10GF/000

Polyamide 610

PolyOne Corporation

## Message:

Edgetek™ NI-10GF/000 is a Polyamide 610 (Nylon 610) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

| General Information                                   |                    |                   |             |
|-------------------------------------------------------|--------------------|-------------------|-------------|
| Filler / Reinforcement                                | Glass Fiber        |                   |             |
| Forms                                                 | Pellets            |                   |             |
| Physical                                              | Nominal Value      | Unit              | Test Method |
| Specific Gravity                                      | 1.14               | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                              | 0.40               | %                 | ASTM D955   |
| Mechanical                                            | Nominal Value      | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Break)                 | 82.7               | MPa               | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break)               | 4.0                | %                 | ASTM D638   |
| Flexural Modulus                                      | 4140               | MPa               | ASTM D790   |
| Flexural Strength                                     | 124                | MPa               | ASTM D790   |
| Impact                                                | Nominal Value      | Unit              | Test Method |
| Notched Izod Impact (23°C, 6.35 mm, Injection Molded) | 53                 | J/m               | ASTM D256A  |
| Injection                                             | Nominal Value      | Unit              |             |
| Drying Temperature                                    | 93.3               | °C                |             |
| Drying Time                                           | 4.0                | hr                |             |
| Processing (Melt) Temp                                | 282                | °C                |             |
| Mold Temperature                                      | 93.3               | °C                |             |
| NOTE                                                  |                    |                   |             |
| 1.                                                    | Type I, 5.1 mm/min |                   |             |
| 2.                                                    | Type I, 5.1 mm/min |                   |             |

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