

# Chemlon® 533 GH

Polyamide 66

Teknor Apex Company (Chem Polymer)

## Message:

Chemlon® 533 GH is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 533 GH are:

Good Aesthetics

Heat Stabilizer

High Strength

Impact Resistant

| General Information                                     |                                  |                   |             |
|---|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                                  | Glass Fiber,33% Filler by Weight |                   |             |
| Additive  | Heat Stabilizer                  |                   |             |
| Features  | Good Impact Resistance           |                   |             |
|   | Heat Stabilized                  |                   |             |
|   | High Tensile Strength            |                   |             |
|   | Pleasing Surface Appearance      |                   |             |
| Forms   | Pellets                          |                   |             |
| Processing Method                                       | Injection Molding                |                   |             |
| Physical  | Nominal Value                    | Unit              | Test Method |
| Specific Gravity  | 1.40                             | g/cm <sup>3</sup> | ASTM D792   |
| Mechanical  | Nominal Value                    | Unit              | Test Method |
| Tensile Strength (23°C)                                 | 141                              | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)                        | 2.0                              | %                 | ASTM D638   |
| Flexural Modulus (23°C)                                 | 6550                             | MPa               | ASTM D790   |
| Flexural Strength (23°C)                                | 200                              | MPa               | ASTM D790   |
| Impact  | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact (23°C)                              | 85                               | J/m               | ASTM D256   |
| Thermal   | Nominal Value                    | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 249                              | °C                | ASTM D648   |
| Melting Temperature                                     | 254                              | °C                |             |

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