



# Chemlon® 550 GH

Teknor Apex Company - Polyamide 66

## General Information

### General

|                        |                      |          |                 |
|------------------------|----------------------|----------|-----------------|
| Material Status        | • Commercial: Active |          |                 |
| Availability           | • Asia Pacific       | • Europe | • North America |
| Filler / Reinforcement | • Glass Fiber        |          |                 |
| Forms                  | • Pellets            |          |                 |
| Processing Method      | • Injection Molding  |          |                 |

## ASTM & ISO Properties <sup>1</sup>

| Physical                                                 | Nominal Value | Unit                  | Test Method |
|----------------------------------------------------------|---------------|-----------------------|-------------|
| Density                                                  | 1.63          | g/cm <sup>3</sup>     | ISO 1183    |
| Water Absorption (24 hr, 73°F)                           | 0.50          | %                     | ISO 62      |
| Mechanical                                               | Nominal Value | Unit                  | Test Method |
| Tensile Stress                                           | 34100         | psi                   | ISO 527     |
| Tensile Strain (Break)                                   | 2.5           | %                     | ISO 527     |
| Flexural Modulus                                         | 2.47E+6       | psi                   | ISO 178/A   |
| Flexural Stress                                          | 49300         | psi                   | ISO 178/A   |
| Impact                                                   | Nominal Value | Unit                  | Test Method |
| Notched Izod Impact Strength (73°F)                      | 6.2           | ft·lb/in <sup>2</sup> | ISO 180/A   |
| Thermal                                                  | Nominal Value | Unit                  | Test Method |
| Deflection Temperature Under Load<br>264 psi, Unannealed | > 473         | °F                    | ISO 75-2/A  |
| Melting Temperature                                      | 495           | °F                    | ISO 11357   |
| Flammability                                             | Nominal Value | Unit                  | Test Method |
| Flame Rating (0.031 in)                                  | HB            |                       | UL 94       |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.