



# Chemlon® 60MGS6 9116

Teknor Apex Company - Polyamide 6

## General Information

### General

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

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

| Physical                       | Nominal Value | Unit                  | Test Method |
|--------------------------------|---------------|-----------------------|-------------|
| Density                        | 1.38          | g/cm <sup>3</sup>     | ISO 1183    |
| Mechanical                     | Nominal Value | Unit                  | Test Method |
| Tensile Modulus                | 653000        | psi                   | ISO 527     |
| Tensile Stress (Break)         | 13800         | psi                   | ISO 527     |
| Tensile Strain (Break)         | 4.0           | %                     | ISO 527     |
| Impact                         | Nominal Value | Unit                  | Test Method |
| Notched Izod Impact Strength   | 1.9           | ft·lb/in <sup>2</sup> | ISO 180/A   |
| Unnotched Izod Impact Strength | 14            | ft·lb/in <sup>2</sup> | ISO 180/A   |
| Thermal                        | Nominal Value | Unit                  | Test Method |
| Melting Temperature            | 428           | °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.