



# Chemlon® 290

Teknor Apex Company (Chem Polymer) - Polyamide 6

## General Information

### General

|                   |                      |                  |                 |
|-------------------|----------------------|------------------|-----------------|
| Material Status   | • Commercial: Active |                  |                 |
| Availability      | • Asia Pacific       | • Europe         | • North America |
| Additive          | • Lubricant          |                  |                 |
| Features          | • Good Mold Release  | • High Viscosity | • Lubricated    |
| Appearance        | • Natural Color      |                  |                 |
| Forms             | • Pellets            |                  |                 |
| Processing Method | • Injection Molding  |                  |                 |

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

| Physical                                                 | Nominal Value | Unit     | Test Method |
|----------------------------------------------------------|---------------|----------|-------------|
| Specific Gravity                                         | 1.14          |          | ASTM D792   |
| Mechanical                                               | Nominal Value | Unit     | Test Method |
| Tensile Strength (73°F)                                  | 12500         | psi      | ASTM D638   |
| Tensile Elongation (Break, 73°F)                         | 80            | %        | ASTM D638   |
| Flexural Modulus (73°F)                                  | 425000        | psi      | ASTM D790   |
| Flexural Strength (73°F)                                 | 18000         | psi      | ASTM D790   |
| Impact                                                   | Nominal Value | Unit     | Test Method |
| Notched Izod Impact (73°F)                               | 1.3           | ft-lb/in | ASTM D256   |
| Thermal                                                  | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load<br>264 psi, Unannealed | 155           | °F       | ASTM D648   |
| Melting Temperature                                      | 420           | °F       |             |

### Notes

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