



# PTS- Creamid A3H2G6.1L02\*9000

Teknor Apex Company (Chem Polymer) - Polyamide 66

## General Information

### General

|                 |                                          |                             |                 |
|-----------------|------------------------------------------|-----------------------------|-----------------|
| Material Status | • Preliminary Data                       |                             |                 |
| Availability    | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Forms           | • Pellets                                |                             |                 |

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

| Physical                         | Dry     | Conditioned | Unit                  | Test Method |
|----------------------------------|---------|-------------|-----------------------|-------------|
| Density                          | 1.38    | 1.38        | g/cm <sup>3</sup>     | ISO 1183    |
| Molding Shrinkage                |         |             |                       | ISO 294-4   |
| Across Flow                      | 1.4     | 1.4         | %                     |             |
| Flow                             | 0.40    | 0.40        | %                     |             |
| Water Absorption (24 hr, 73°F)   | 1.0     | 1.0         | %                     | ISO 62      |
| Water Absorption                 |         |             |                       | ISO 62      |
| Saturation, 73°F                 | 5.0     | 5.0         | %                     |             |
| Mechanical                       | Dry     | Conditioned | Unit                  | Test Method |
| Tensile Modulus                  | 1.52E+6 | 870000      | psi                   | ISO 527-2   |
| Tensile Stress (Break)           | 24700   | 16700       | psi                   | ISO 527-2   |
| Tensile Strain (Break)           | 2.5     | 7.5         | %                     | ISO 527-2   |
| Flexural Modulus (73°F)          | 1.04E+6 | 769000      | psi                   | ISO 178     |
| Flexural Stress                  | 31900   | 19600       | psi                   | ISO 178     |
| Impact                           | Dry     | Conditioned | Unit                  | Test Method |
| Charpy Notched Impact Strength   |         |             |                       | ISO 179     |
| 73°F                             | 3.8     | 5.2         | ft·lb/in <sup>2</sup> |             |
| Charpy Unnotched Impact Strength |         |             |                       | ISO 179     |
| 73°F                             | 29      | 38          | ft·lb/in <sup>2</sup> |             |
| Notched Izod Impact Strength     |         |             |                       | ISO 180     |
| 73°F                             | 3.8     | 5.7         | ft·lb/in <sup>2</sup> |             |
| Thermal                          | Dry     | Conditioned | Unit                  | Test Method |
| Melting Temperature              | 496     | 496         | °F                    | ISO 11357-3 |

## Processing Information

| Injection              | Dry        | Unit |
|------------------------|------------|------|
| Drying Temperature     | 176        | °F   |
| Drying Time            | 3.0 to 4.0 | hr   |
| Nozzle Temperature     | 554        | °F   |
| Processing (Melt) Temp | 509 to 554 | °F   |
| Mold Temperature       | 176 to 230 | °F   |

### Notes

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