



# Sinpolene GPP1620

Teknor Apex Asia Pacific PTE. LTD. - Polypropylene Homopolymer

## General Information

### General

|                        |                                     |
|------------------------|-------------------------------------|
| Material Status        | • Commercial: Active                |
| Availability           | • Asia Pacific                      |
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |
| Forms                  | • Pellets                           |
| Processing Method      | • Injection Molding                 |

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

| Physical                                               | Nominal Value | Unit     | Test Method |
|--------------------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                             | 1.03          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)              | 5.0           | g/10 min | ASTM D1238  |
| Molding Shrinkage - Flow                               | 5.0E-3        | in/in    | ASTM D955   |
| Mechanical                                             | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)                               | 11900         | psi      | ASTM D638   |
| Tensile Elongation (Break)                             | 4.0           | %        | ASTM D638   |
| Flexural Modulus                                       | 551000        | psi      | ASTM D790   |
| Flexural Strength                                      | 14500         | psi      | ASTM D790   |
| Impact                                                 | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                                    | 1.6           | ft-lb/in | ASTM D256   |
| Thermal                                                | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 318           | °F       | ASTM D648   |

### Notes

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