

# Sinpolene TPP2020

Polypropylene Copolymer

Teknor Apex Asia Pacific PTE. LTD.

## Message:

Sinpolene TPP2020 is a Polypropylene Copolymer (PP Copolymer) material filled with 20% talc. It is available in Asia Pacific for injection molding.

| General Information                                      |                           |                   |                         |
|--|---------------------------|-------------------|-------------------------|
| Filler / Reinforcement                                   | Talc,20% Filler by Weight |                   |                         |
| Forms  | Pellets                   |                   |                         |
| Processing Method  | Injection Molding         |                   |                         |
| Physical   | Nominal Value             | Unit              | Test Method             |
| Specific Gravity   | 1.02                      | g/cm <sup>3</sup> | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 10                        | g/10 min          | ASTM D1238              |
| Molding Shrinkage - Flow                                 | 0.90 to 1.1               | %                 | ASTM D955               |
| Mechanical   | Nominal Value             | Unit              | Test Method             |
| Tensile Strength (Yield)                                 | 27.0                      | MPa               | ASTM D638               |
| Tensile Elongation (Break)                               | 50                        | %                 | ASTM D638               |
| Flexural Modulus   | 1900                      | MPa               | ASTM D790               |
| Flexural Strength  | 35.0                      | MPa               | ASTM D790               |
| Impact   | Nominal Value             | Unit              | Test Method             |
| Notched Izod Impact                                      | 45                        | J/m               | ASTM D256               |
| Thermal  | Nominal Value             | Unit              | Test Method             |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 123                       | °C                | ASTM D648               |
| Vicat Softening Temperature                              | 152                       | °C                | ASTM D1525 <sup>1</sup> |
| NOTE   |                           |                   |                         |

1. Loading 1 (10 N)

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