



# Sinpolene HFR8294

Teknor Apex Asia Pacific PTE. LTD. - Polypropylene

## General Information

### General

|                   |                                  |
|-------------------|----------------------------------|
| Material Status   | • Commercial: Active             |
| Availability      | • Asia Pacific                   |
| Features          | • Flame Retardant • Halogen Free |
| Forms             | • Pellets                        |
| Processing Method | • Injection Molding              |

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

| Physical                                               | Nominal Value | Unit     | Test Method             |
|--------------------------------------------------------|---------------|----------|-------------------------|
| Density / Specific Gravity                             | 1.04          |          | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)              | 8.0           | g/10 min | ASTM D1238              |
| Molding Shrinkage - Flow                               | 0.013         | in/in    | ASTM D955               |
| Mechanical                                             | Nominal Value | Unit     | Test Method             |
| Tensile Strength (Yield)                               | 3190          | psi      | ASTM D638               |
| Tensile Elongation (Break)                             | 50            | %        | ASTM D638               |
| Flexural Modulus                                       | 203000        | psi      | ASTM D790               |
| Flexural Strength                                      | 4350          | psi      | ASTM D790               |
| Impact                                                 | Nominal Value | Unit     | Test Method             |
| Notched Izod Impact                                    | 0.94          | ft-lb/in | ASTM D256               |
| Thermal                                                | Nominal Value | Unit     | Test Method             |
| Deflection Temperature Under Load (66 psi, Unannealed) | 212           | °F       | ASTM D648               |
| Vicat Softening Temperature                            | 302           | °F       | ASTM D1525 <sup>2</sup> |
| Flammability                                           | Nominal Value | Unit     | Test Method             |
| Flame Rating (0.06 in)                                 | V-0           |          | UL 94                   |
| Glow Wire Flammability Index                           | 1760          | °F       | IEC 60695-2-12          |
| Glow Wire Ignition Temperature                         | 1440          | °F       | IEC 60695-2-13          |

### Notes

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

<sup>2</sup> Loading 1 (10 N)