



# Sinpolene HFR8124

Teknor Apex Asia Pacific PTE. LTD. - Polypropylene

## General Information

### General

|                 |                                      |                |                 |
|-----------------|--------------------------------------|----------------|-----------------|
| Material Status | • Commercial: Active                 |                |                 |
| Availability    | • Africa & Middle East               | • Asia Pacific | • Latin America |
| Features        | • Halogen Free                       |                |                 |
| Uses            | • Electrical/Electronic Applications |                |                 |
| Forms           | • Pellets                            |                |                 |

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

| Physical                                  | Nominal Value | Unit     | Test Method |
|-------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                | 1.43          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 2.5           | g/10 min | ASTM D1238  |
| Mechanical                                | Nominal Value | Unit     | Test Method |
| Tensile Strength (Ultimate)               | 2610          | psi      | ASTM D638   |
| Tensile Elongation (Break)                | 10            | %        | ASTM D638   |
| Flexural Modulus                          | 290000        | psi      | ASTM D790   |
| Impact                                    | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                       | 1.1           | ft-lb/in | ASTM D256   |
| Hardness                                  | Nominal Value | Unit     | Test Method |
| Durometer Hardness                        | 98            |          | ASTM D2240  |
| Thermal                                   | Nominal Value | Unit     | Test Method |
| Vicat Softening Temperature               | 311           | °F       | ASTM D1525  |
| Electrical                                | Nominal Value | Unit     | Test Method |
| Surface Resistivity                       | 1.4E+15       | ohms     | ASTM D257   |
| Volume Resistivity                        | 1.2E+15       | ohms·cm  | ASTM D257   |
| Flammability                              | Nominal Value | Unit     | Test Method |
| Flame Rating                              | V-0           |          | UL 94       |
| Oxygen Index                              | 30            | %        | ASTM D2863  |

### Notes

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