

# Sinpolene HFR8214

Polypropylene

Teknor Apex Asia Pacific PTE. LTD.

Message:

Sinpolene HFR8214 is a Polypropylene material. It is available in Africa & Middle East, Asia Pacific, or Latin America.

Important attributes of Sinpolene HFR8214 are:

Flame Rated

Flame Retardant

Halogen Free

Typical application of Sinpolene HFR8214: Electrical/Electronic Applications

| General Information                       |                  |                   |                         |
|-------------------------------------------|------------------|-------------------|-------------------------|
| Features                                  | Flame Retardant  |                   |                         |
|                                           | Halogen Free     |                   |                         |
| Uses                                      | Electrical Parts |                   |                         |
| Forms                                     | Pellets          |                   |                         |
| Physical                                  | Nominal Value    | Unit              | Test Method             |
| Specific Gravity                          | 1.07             | g/cm <sup>3</sup> | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 2.0              | g/10 min          | ASTM D1238              |
| Hardness                                  | Nominal Value    | Unit              | Test Method             |
| Durometer Hardness                        | 98               |                   | ASTM D2240              |
| Mechanical                                | Nominal Value    | Unit              | Test Method             |
| Tensile Strength                          | 27.0             | MPa               | ASTM D638               |
| Tensile Elongation (Break)                | 50               | %                 | ASTM D638               |
| Flexural Strength                         | 33.0             | MPa               | ASTM D790               |
| Impact                                    | Nominal Value    | Unit              | Test Method             |
| Notched Izod Impact                       | 50               | J/m               | ASTM D256               |
| Thermal                                   | Nominal Value    | Unit              | Test Method             |
| Vicat Softening Temperature               | 150              | °C                | ASTM D1525 <sup>1</sup> |
| Flammability                              | Nominal Value    | Unit              | Test Method             |
| Flame Rating (1.60 mm)                    | V-0              |                   | UL 94                   |
| Glow Wire Flammability Index              | 960              | °C                | IEC 60695-2-12          |
| Oxygen Index                              | 38               | %                 | ASTM D2863              |
| NOTE                                      |                  |                   |                         |
| 1.                                        | Loading 1 (10 N) |                   |                         |

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