



# Sinelec CCB7824

Teknor Apex Asia Pacific PTE. LTD. - Polypropylene

## General Information

### General

|                   |                      |
|-------------------|----------------------|
| Material Status   | • Commercial: Active |
| Availability      | • Asia Pacific       |
| Features          | • Conductive         |
| Uses              | • Sheet              |
| RoHS Compliance   | • RoHS Compliant     |
| Forms             | • Pellets            |
| Processing Method | • Sheet Extrusion    |

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

| Physical                                 | Nominal Value | Unit     | Test Method |
|------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity               | 1.01          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/5.0 kg) | 1.0 to 3.0    | g/10 min | ASTM D1238  |
| Mechanical                               | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)                 | 4350          | psi      | ASTM D638   |
| Tensile Elongation (Break)               | 300           | %        | ASTM D638   |
| Flexural Modulus                         | 145000        | psi      | ASTM D790   |
| Flexural Strength                        | 3630          | psi      | ASTM D790   |
| Impact                                   | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                      | 6.6           | ft·lb/in | ASTM D256   |
| Electrical                               | Nominal Value | Unit     | Test Method |
| Surface Resistivity                      | < 1.0E+5      | ohms     | ASTM D257   |
| Volume Resistivity                       | < 1.0E+5      | ohms·cm  | ASTM D257   |

## Processing Information

| Extrusion              | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature     | 176           | °F   |
| Drying Time            | 2.0 to 4.0    | hr   |
| Suggested Max Moisture | < 0.20        | %    |
| Cylinder Zone 1 Temp.  | 410           | °F   |
| Cylinder Zone 2 Temp.  | 428           | °F   |
| Cylinder Zone 3 Temp.  | 464           | °F   |
| Cylinder Zone 4 Temp.  | 464           | °F   |
| Cylinder Zone 5 Temp.  | 464           | °F   |

### Notes

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