



# Sinelec CCB6285

Teknor Apex Asia Pacific PTE. LTD. - Specialty Polystyrene

## General Information

### General

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

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

| Physical                                  | Nominal Value | Unit     | Test Method |
|-------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                | 1.10          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (200°C/10.0 kg) | < 2.0         | g/10 min | ASTM D1238  |
| Mechanical                                | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)                  | 3340          | psi      | ASTM D638   |
| Tensile Elongation (Break)                | 60            | %        | ASTM D638   |
| Flexural Modulus                          | 232000        | psi      | ASTM D790   |
| Flexural Strength                         | 6530          | psi      | ASTM D790   |
| Impact                                    | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                       | 1.9           | 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   |
| Cylinder Zone 1 Temp. | 374           | °F   |
| Cylinder Zone 2 Temp. | 392           | °F   |
| Cylinder Zone 3 Temp. | 428           | °F   |
| Cylinder Zone 4 Temp. | 428           | °F   |
| Cylinder Zone 5 Temp. | 428           | °F   |

### Notes

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