



# Sinelec CCB1863

Teknor Apex Asia Pacific PTE. LTD. - Polyethylene

## General Information

### General

|                   |                           |
|-------------------|---------------------------|
| Material Status   | • Preliminary Data        |
| Availability      | • Asia Pacific            |
| Features          | • Conductive              |
| Uses              | • Industrial Applications |
| Forms             | • Pellets                 |
| Processing Method | • Injection Molding       |

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

| Physical                                       | Nominal Value | Unit     | Test Method |
|------------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                     | 1.22          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)      | < 20          | g/10 min | ASTM D1238  |
| Mechanical                                     | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)                       | 5220          | psi      | ASTM D638   |
| Tensile Elongation (Break)                     | 5.0           | %        | ASTM D638   |
| Flexural Modulus                               | 435000        | psi      | ASTM D790   |
| Flexural Strength                              | 7250          | psi      | ASTM D790   |
| Impact                                         | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                            | 3.1           | ft-lb/in | ASTM D256   |
| Hardness                                       | Nominal Value | Unit     | Test Method |
| Durometer Hardness (Shore D, Injection Molded) | 67            |          | ASTM D2240  |
| Electrical                                     | Nominal Value | Unit     | Test Method |
| Surface Resistivity                            | < 1.0E+5      | ohms     | IEC 60093   |
| Volume Resistivity                             | < 1.0E+5      | ohms·cm  | IEC 60093   |

### Notes

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