

Sinelec CCB5834

- Polypropylene

Friday, June 30, 2017

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 ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Specific Gravity | 1.04 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/5.0 kg) | 2.0 to 7.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 3630 | psi | ASTM D638 |
| Tensile Elongation (Break) | 200 | % | ASTM D638 |
| Flexural Modulus | 116000 | psi | ASTM D790 |
| Flexural Strength | 2900 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 9.4 | 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. | 392 | °F |
| Cylinder Zone 2 Temp. | 428 | °F |
| Cylinder Zone 3 Temp. | 428 | °F |
| Cylinder Zone 4 Temp. | 464 | °F |
| Cylinder Zone 5 Temp. | 464 | °F |
| Die Temperature | 464 | °F |

Notes

¹ Typical properties: these are not to be construed as specifications.



Revision Date: 11/4/2015

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