

Sinelec CCB6115

- Specialty Polystyrene

Thursday, June 29, 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	1.10		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	1.0 to 8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3920	psi	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	254000	psi	ASTM D790
Flexural Strength	6530	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.84	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	181	°F	ASTM D1525 ²
Heat Deflection Temperature - 1820oC	144	°F	ASTM D648
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.	374	°F
Cylinder Zone 2 Temp.	392	°F
Cylinder Zone 3 Temp.	410	°F
Cylinder Zone 4 Temp.	428	°F
Cylinder Zone 5 Temp.	428	°F
Die Temperature	428	°F

Notes

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

² Rate A (50°C/h), Loading 2 (50 N)

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Revision Date: 11/6/2014

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