

## - Specialty Polystyrene

Thursday, June 29, 2017

### General Information

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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
Specific Gravity	1.10		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	1.0 to 4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3630	psi	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	203000	psi	ASTM D790
Flexural Strength	4350	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.7	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.

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