

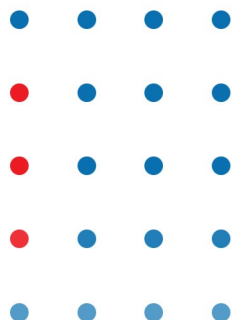
Technical Data Sheet **WCI PS-ESD**

Product Description

WCI PS-ESD compounds are specially modified polystyrene grades with Electrostatic Discharge (ESD) properties, designed to prevent electrostatic build-up and provide safe dissipation of static charges. These compounds retain the main characteristics of polystyrene (light weight, rigidity, transparency, or impact resistance depending on the base grade) while offering controlled Surface Resistivity in the range of 10^7 – 10^9 Ω /sq, making them suitable for use in sensitive electronic and packaging applications.

Typical Application

- PS-ESD: Protective foams and packaging for electronic components and delicate devices.
- GPPS-ESD: Transparent sheets, housings, and injection molded parts with anti-static properties.
- HIPS-ESD: Thermoformed trays, electronic casings, covers, and dissipative packaging.



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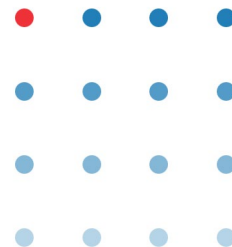


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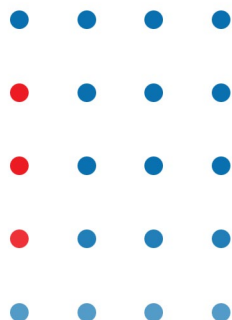
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TECHNICAL SPECIFICATION

Property	Unit	EPS-ESD	GPPS-ESD	HIPS-ESD	Test Method
Melt Flow Rate (MFR)	g/10 min	25–30	12–15	8–12	ASTM D1238
Density (typical)	g/cm ³	~1.02	1.03	1.04	ISO 1183
Surface Resistivity	Ω/sq	10 ⁷ –10 ⁹	10 ⁷ –10 ⁹	10 ⁷ –10 ⁹	ASTM D257
Tensile Strength (approx)	MPa	15–20	42	25	ASTM D638
Impact Strength	kJ/m ²	Moderate	Low	High	ASTM D256



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