S908C

Polystyrene Compound

Special Characteristics: S908C is a conductive HIPS compound based on high impact polystyrene with impact modified suitable for injection, extrusion sheet and thermoforming. It is intended for a wide range of applications, particularly in the thermoforming for the electronics, electrical, disk-drive as shipping or component trays.

Typical Applications: Black conductive HIPS specimens

Typical Properties:

Properties	S908C	Unit	Test Method
Physical Properties			
Melt Flow Rate (200°C, 5 kg)	2.2	g/10 min	ASTM D1238
Density	1.11	g/cm^3	ASTM D792
Mechanical Properties			
Tensile Strength at Yield	31	MPa	ASTM D638
Elongation at Break	28	%	ASTM D638
Tensile Modulus	1,940	MPa	ASTM D638
Flexural Strength	54	MPa	ASTM D790
Flexural Modulus	2,480	MPa	ASTM D790
Notched Izod Impact Strength	168	J/m	ASTM D256
Thermal Properties			
Vicat Softening Point	89	°C	ASTM D1525
Heat Deflection Temperature	79	°C	ASTM D648
Electrical Properties			
Surface Resistivity (at 23°C, 50% RH)	10^3-10^5	Ohm/square	ASTM D257

Recommendation:

Storage condition: S908C, owing to its moisture sensitive, is recommended to be properly wrapped and stored in dry and well-ventilated area.

Processing:

- Pre-drying in a dehumidifying dryer is recommended e.g., 3–4 hours at 70–80°C before sheet extrusion.
- Recommend processing temperature of conductive HIPS compound is 180–270°C*.

* The modification of processing condition shall be performed under the recommendation.

[HongKong] +852-69575415 [China GuangDong] +135-3858-6433 [China ShangHai] +188-1699-6168