

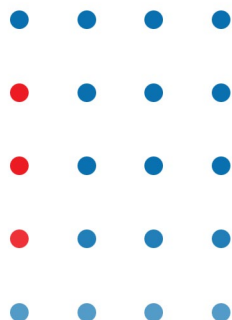
Technical Data Sheet **WCI EPS Compound**

Product Description

WCI EPS Compound are lightweight, rigid beads produced from expandable polystyrene, typically in the size range of 4–6 mm with a density of 12–14 g/L. They are fire-retardant, contain 5–7% pentane as a blowing agent, and exhibit very low moisture content (0.2–0.5%). **WCI EPS Compound** provide excellent thermal insulation, acoustic damping, and shock-absorption properties. They are easy to process through molding and extrusion, offering uniform cell structure, dimensional stability, and recyclability, making them a sustainable and cost-effective raw material.

Typical Application

- **Packaging:** Protective packaging for electronics, appliances, and fragile goods due to its cushioning and shock absorption properties.
- **Construction:** Thermal insulation boards, panels, and blocks for walls, roofs, and flooring, ensuring energy efficiency and lightweight performance.
- **Consumer Goods:** Disposable cups, trays, and food containers, offering safety and hygiene at low cost.
- **Industrial Uses:** Molding applications, decorative profiles, and other lightweight structural components requiring stability and durability.



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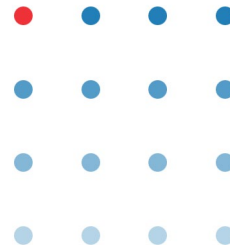


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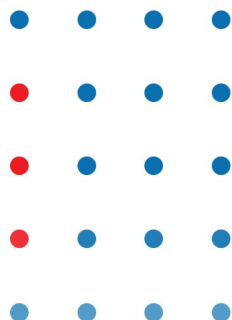
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TECHNICAL SPECIFICATION

PROPERTIES	UNIT	VALUE	INFORMATION	STANDARD
DSC	°C °C J/g	408.6 426.6 350.67	Heating rate: 10 °C/min Atmosphere used : N2 Gas pressure used: 10 Bar Gender of pen: Aluminum	ISIRI 7186-6
Density	g/cm3	1.05	Temperature 23 degrees Celsius Liquid ethanol	INSO 7090-1
MFR	g/10 min	10-14	200 °C/5KG	INSO 6980-1
ASH	-	1.74	Temperature 650 °C Duration 45 minutes	ISIRI 10237-1



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