

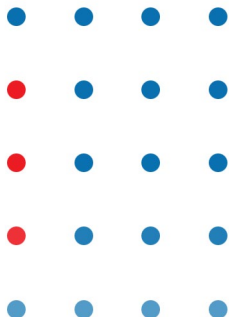
Technical Data Sheet **WCI EPS Compound (Grade 2)**

Product Description

WCI EPS Compound (Grade 2) 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%). **EPS Compound (Grade 2)** 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

- **Construction:** Used in insulation panels, lightweight concrete, wall systems, roofing, and flooring solutions due to superior thermal and sound insulation.
- **Packaging:** Widely applied in protective packaging for electronics, household appliances, and fragile goods, providing high shock absorption and cushioning.
- **Consumer Goods:** Production of disposable cups, trays, food containers, and decorative items requiring lightweight and hygienic properties.
- **Industrial Applications:** Used in block molding, shape molding, and extrusion for various industrial products, as well as in specialty applications such as craft materials and impact-absorbing components.



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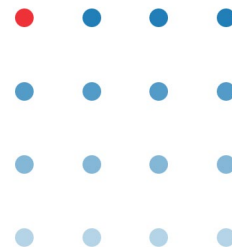


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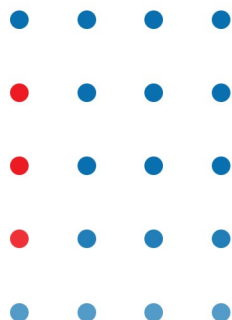
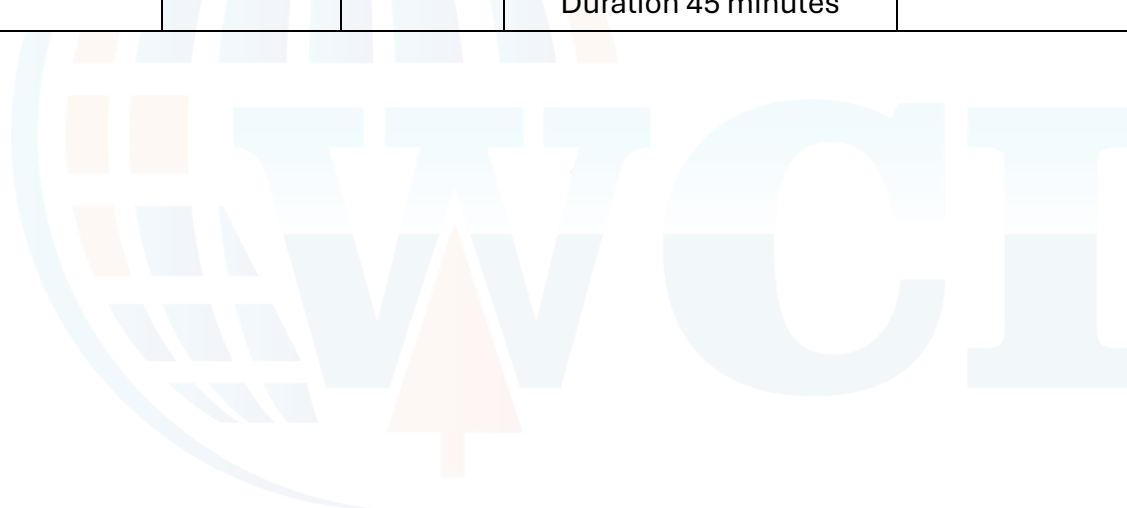
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TECHNICAL SPECIFICATION

PROPERTIES	UNIT	VALUE	INFORMATION	STANDARD
DSC	$^{\circ}\text{C}$ $^{\circ}\text{C}$ j/g	376.9 417.0 488.41	Heating rate: $10^{\circ}\text{C}/\text{min}$ Atmosphere used : N2 Gas pressure used: 10 Bar Gas Debi rate used: 50 mlit/min Gender of pen: Aluminum	ISIRI 7186-6
Density	g/cm3	1.03	Temperature 23 degrees Celsius Liquid ethanol	INSO 7090-1
MFR	g/10 min	18-23	$200^{\circ}\text{C}/5\text{KG}$	INSO 6980-1
ASH	%	0.18	Temperature 600°C Duration 45 minutes	ISIRI 10237-1



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