

## Technical Data Sheet **WCI LDPE Compound**

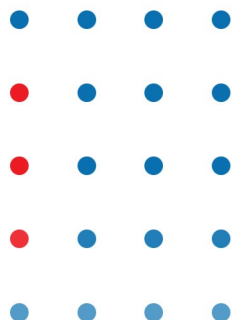
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### Product Description

**WCI LDPE Compound** is a thermoplastic material from the polyethylene family, produced from long chains of ethylene monomers with a highly branched molecular structure. This structure gives LDPE its characteristic low density, flexibility, and transparency, along with lower hardness and melting temperature compared to HDPE. The compound is formulated by blending primary LDPE with other materials to enhance processability, durability, and performance for specific applications. It exhibits good resistance to chemicals, moisture, and environmental stress, making it a versatile material for packaging and agricultural industries.

### Typical Application

- **Packaging Films:** Widely used in the production of shopping bags, shrink wraps, stretch films, and food packaging where flexibility and transparency are critical.
- **Agriculture:** Applied in greenhouse films, mulch films, and irrigation pipes due to its durability and resistance to environmental conditions.
- **Industrial Uses:** Employed in extrusion and molding applications for liners, protective sheets, and flexible tubing.
- **General Consumer Goods:** Suitable for low-load products such as disposable items and lightweight containers.



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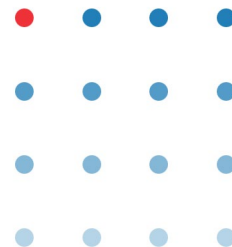


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## TECHNICAL SPECIFICATION

PROPERTIES	VALUE	UNIT	INFORMATION	STANDARD
DSC	-Starting melting temperature:122.8 -Melting point: 129.4 -Enthalpy of fusion:23.79	°C °C J/g	Heating rate: 10 °C/min Atmosphere used : N2 Gas pressure used: 10 Bar Gas Deby used:50mlit/min Gender of pen: Aluminum	ISIRI 7186-6
Density	0.92	g/cm3	Temperature23 °C Liquid ethanol	INSO 7090-1
MFR	1.05	g/10 min	190 °C/2.16KG	INSO 6980-1
FTIR	PE	-	-	-



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