

## Technical Data Sheet **WCI LDPE Compound (Grade 2)**

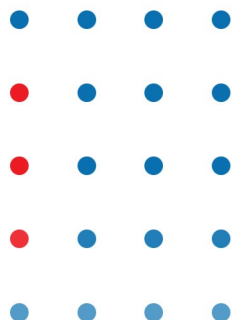
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### Product Description

**WCI LDPE Compound (Grade 2)** is a thermoplastic polymer produced from the monomer ethylene, characterized by its highly branched molecular structure. This structure results in lower density, reduced hardness, rigidity, and melting temperature compared to HDPE. **WCI LDPE Compound (Grade 2)** is manufactured partly from recycled or secondary polyethylene compounds, making it a cost-effective material with adequate flexibility and toughness. It provides good processability, transparency, and chemical resistance, making it suitable for various industrial and packaging uses.

### Typical Application

- **Films and Packaging:** Production of plastic bags, shrink films, stretch films, and protective packaging materials.
- **Containers and Bottles:** Lightweight containers, squeeze bottles, and liners that require flexibility.
- **Industrial Uses:** Secondary applications such as protective sheets, geomembranes, and blending with other polymers for cost optimization.
- **General Purpose Applications:** Household items, disposable goods, and products where moderate strength and flexibility are sufficient.



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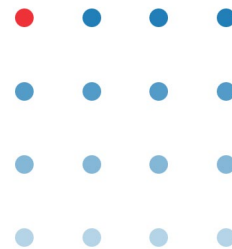


[www.wci-polymer.com](http://www.wci-polymer.com)



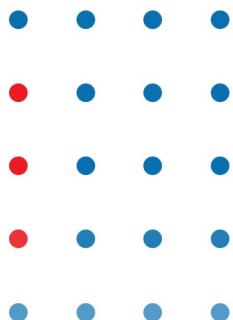
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## TECHNICAL SPECIFICATION

PROPERTIES	UNIT	VALUE	STANDARD
Tensile Modulus	Mpa	295.6 266.7	BPP-03-0029-1
Tensile stress at yield (maximum)	Mpa	11.88 10.86	BPP-03-0029-1
Tensile Strength at Break	Mpa	11.51 10.54	BPP-03-0029-1
Strain at break (MD)	%	660.58 598.18	BPP-03-0029-1
ASH	%	2	BPP-03-0029-1



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