

## Technical Data Sheet **WCI LLDPE 0209**

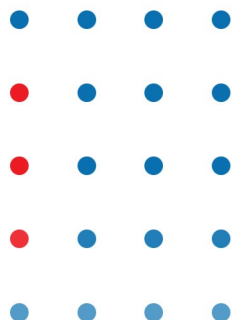
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### Product Description

**WCI LLDPE 0209** is a Linear Low Density Polyethylene copolymer produced with butene as a comonomer and stabilized with antioxidants such as Irganox1010 and Irganox168. This grade is recommended for general-purpose film applications and can also be blended with conventional LDPE to improve performance. Compared to LDPE, films produced from **WCI LLDPE 0209** exhibit better sealing properties, higher puncture resistance, improved drawdown capability, and greater tensile strength. It provides an excellent balance of mechanical performance, flexibility, and processability, making it a versatile material for both industrial and consumer applications.

### Typical Application

- Food-Grade Packaging: Safe for use in food-contact applications such as wraps, pouches, and produce bags.
- Heavy-Duty Sacks: Used in strong bags and liners where toughness and puncture resistance are required.
- Agricultural Films: Greenhouse films, mulch films, and silage stretch films that demand durability against environmental stress.
- Industrial Uses: Stretch films, shrink wraps, and protective liners providing flexibility, strength, and sealing efficiency.



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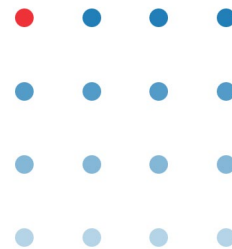


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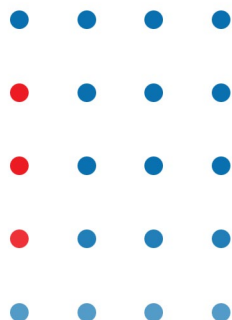
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## TECHNICAL SPECIFICATION

PROPERTIES	VALUE	UNIT	TEST METHOD
MFR ( 190 °C/2.16kg)	0.9	g/10 min	ISO 1133
Density	920	Kg/m3	ISO 1183
Tensile Strength at Yield MD/TD	10/11	MPa	ISO 527
Tensile Strength at Break MD/TD	41/32	MPa	ISO 527
Elongation at Break MD/TD	620/840	%	ISO 527
Tear Strength MD/TD	145/370	g/25μ	ASTM D1922
Dart Drop Impact	150	g	ASTM D1709



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