

Sipchem LD 0823

Low Density Polyethylene Resin

Product description: Sipchem LD 0823 Low Density Polyethylene resin, manufactured by IPC[†] in The Kingdom of Saudi Arabia using an Exxon-Mobil high-pressure tubular process.

LD 0823 is designed to offer a good balance of mechanical properties and stiffness.

Applications: Agricultural Film, Blend Partner, Co-Extrusion Films, Collation Shrink, Form Fill and Seal Packaging, Freezer Film, Lamination Film, Medium Duty Shrink Film, Shoppers.

Properties	Typical Value ¹	Unit	Test Method
Melt Index (190°C / 2.16 kg)	0.75	g/10 min	ASTM D1238
Density	0.923	g/cm ³	IPC Method
Melting Point	109	°C	ASTM D3418
Tensile Strength at Break MD	24	MPa	ASTM D882
Tensile Strength at Break TD	23	MPa	ASTM D882
Elongation at Break MD	370	%	ASTM D882
Elongation at Break TD	570	%	ASTM D882
Secant Modulus MD – 1% Secant	220	MPa	ASTM D882
Secant Modulus TD – 1% Secant	260	MPa	ASTM D882
Drop Dart Impact	180	g	ASTM D1709A
Elmendorf Tear Strength MD	200	g	ASTM D1922
Elmendorf Tear Strength TD	200	g	ASTM D1922
Gloss (45°C)	64	g	ASTM D2457
Haze	7.0	%	ASTM D1003

1. These are typical properties: these are not to be construed as specifications.
2. This product is not intended for use in medical applications and should not be used in any such applications.
3. Contact your Sipchem Representative for potential food contact application compliance.

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IPC is an affiliate of Sipchem

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Page 1/1

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