

Sipchem LD 0322

Low Density Polyethylene Resin

Product description: Sipchem LD 0322 Low Density Polyethylene resin, manufactured by IPC[†] in The Kingdom of Saudi Arabia using an Exxon-Mobil high-pressure tubular process.

LD 0322 is designed to offer high strength combined with medium optical properties.

Applications: Agricultural Film, Blend Partner, Construction Film, Foam, Heavy Duty Bags, High Performance Collation Shrink, Pallet Shrink Film, Profile Extrusion.

Properties	Typical Value ¹	Unit	Test Method
Melt Index (190°C / 2.16 kg)	0.33	g/10 min	ASTM D1238
Density	0.922	g/cm ³	IPC Method
Melting Point	109	°C	ASTM D3418
Tensile Strength at Yield MD	12	MPa	ASTM D882
Tensile Strength at Yield TD	11	MPa	ASTM D882
Tensile Strength at Break MD	24	MPa	ASTM D882
Tensile Strength at Break TD	22	MPa	ASTM D882
Elongation at Break MD	500	%	ASTM D882
Elongation at Break TD	650	%	ASTM D882
Secant Modulus MD – 1% Secant	210	MPa	ASTM D882
Secant Modulus TD – 1% Secant	240	MPa	ASTM D882
Drop Dart Impact	320	g	ASTM D1709A
Elmendorf Tear Strength MD	400	g	ASTM D1922
Elmendorf Tear Strength TD	750	g	ASTM D1922
Gloss (45°C)	54	g	ASTM D2457
Haze	11	%	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.

[†]IPC [International Polymers Company]
 PO Box 12021
 Jubail Industrial City - 31961
 Kingdom Of Saudi Arabia

IPC is an affiliate of Sipchem

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+966 3 801 9255

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