

Sipchem LD 4023 KF

Low Density Polyethylene Resin

Product description: Sipchem LD 4023 KF is a Low Density Polyethylene resin, manufactured by IPC an affiliate of Sipchem in The Kingdom of Saudi Arabia using an Exxon-Mobil high-pressure tubular process. LD 4023 KF is designed to offer good draw down and optical properties.

Applications: Cast Film, High Clarity Film, Carrier bags, Profile Extrusion, Zipper.

Additives: Thermal Stabiliser: 600 ppm; Antiblock: 1200 ppm; Slip: 900 ppm.

Properties	Typical Value	Unit	Test Method
Melt Index (190°C / 2.16 kg)	4.0	g/10 min	ASTM D1238
Density	0.923	g/cm ³	ASTM D1505
Melting Point	108	°C	ASTM D3418
Tensile Strength at Yield MD	10	MPa	ASTM D882
Tensile Strength at Yield TD	10	MPa	ASTM D882
Tensile Strength at Break MD	19	MPa	ASTM D882
Tensile Strength at Break TD	15	MPa	ASTM D882
Elongation at Break MD	220	%	ASTM D882
Elongation at Break TD	450	%	ASTM D882
Secant Modulus MD – 1% Secant	180	MPa	ASTM D882
Secant Modulus TD – 1% Secant	210	MPa	ASTM D882
Drop Dart Impact	70	g	ASTM D1709A
Elmendorf Tear Strength MD	170	g	ASTM D1922
Elmendorf Tear Strength TD	130	g	ASTM D1922
Gloss (45°C)	70	g	ASTM D2457
Haze	5.4	%	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.

Compliance & Product Stewardship Department

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