



LLD-2024N

LINEAR LOW DENSITY POLYETHYLENE (LLDPE INJECTION)

Technical Data Sheet

The LLD-2024N shows good stiffness and low temperature toughness.

- Suitable for injection molding
- Applications can be trash cans, industrial containers, housewares and toys
- Complies with U.S. FDA 21 CFR 177.1520

(1) There are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

EXTRUDER ZONE	REAR	CENTER	FRONT	NOZZLE
Cylinder Temperature °F (°C)	350 (177)	375 (190)	400 (204)	400 (204)

NOMINAL RESIN PROPERTIES (1)	NOMINAL VALUE (ENGLISH)	NOMINAL VALUE (SI)	METHOD
Density	0.924 g/cm3	g/cc	ASTM D1505
Melt Index, 190C/2.16Kg	20	g/10min	ASTM D1238
Tensile Strength at Yield at Break	2,100 (14) 1,200 (8)	psi(Mpa) psi(Mpa)	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Spiral Flow	12.6 (32.1)	in (cm)	Internal
1% Secant Modulus 2% Secant Modulus	63,000 (440) 55,000 (380)	psi(Mpa) psi(Mpa)	ASTM D790
Vicat Softening Temperature	196 (91)	°F (°C)	ASTM D1525
Brittleness Temperature	<-105 (<-76)	-°F (°C)	ASTM D746
Hardness, Shore D	57	128°C	ASTM D2240
Heat Deflection Temperature, 66 psi	113 (45)	°F (°C)	ASTM D648

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