

TECHNICAL DATASHEET

LD 0725N



PRODUCT DESCRIPTION

LD 0725N is a Low Density Polyethylene with a Melt Flow Rate of 0.75 g/10min (190°C/2.16kg), recommended for mono and multilayer blown film extrusion. LD 0725N is an additive free grade and has a suitable molecular structure to make film with excellent mechanical and optical properties. LD 0725N can be easily processed on all types of extruders designed for polyethylene.

The melt temperature is suggested to be in the range of 170 – 220°C. Excellent properties of the film are achieved with a blow-up ratio of 2:1 and recommended film thickness range from 25 to 100 µm.

TRPICAL APPLICATION

Bags & Pouches, Medium Duty Bags, Shrink Warp Film, Agricultural Film, Food Packaging Film

TYPICAL DATA

Physical	Method	Unit	Value
Density	ISO 1183	g/cm ³	0.923
Melt Flow Rate (190°C/2.16 kg)	ISO 1133	g/10min	0.75
Melting Temperature	ISO 3146	°C	111
Vicat Softening Temperature (A50 (50°C/h 10N))	ISO 306	°C	96

Mechanical	Method	Unit	Value ⁺¹
Tensile Modulus	ISO 527-1,-2	MPa	260
Tensile Stress @ Yield	ISO 527-1,-2	MPa	11
Tensile Strain @ Break (MD / TD)	ISO 527-1,-3	%	300/600
Tensile Strength (MD / TD)	ISO 527-1,-3	MPa	26 / 24
Dart Drop Impact (50 µm)	ASTM D 1709	g	150
Coefficient of Friction	ISO 8295	%	> 80

Optical	Method	Unit	Value ⁺¹
Haze	ASTM D 1003	%	< 8
Gloss (20°)	ASTM D 2457	GU	> 40
Gloss (60°)	ASTM D 2457	GU	> 90

⁺¹ The above properties are measured on blown film of 50 µm thickness, extruded at melt temperature of 180°C and a blow up ratio of 2:1

NOTE The typical properties are not to be construed as specifications.