

LINATHENE® LL120C

Linear Low Density Polyethylene

USI Corporation

Message:

LINATHENE LL120C is a butene linear low density polyethylene(LLDPE) developed for slot cast film extrusion.

Films made from LINATHENE LL120C have excellent toughness, tensile strength, elongation, puncture strength and transparency.

LINATHENE LL120C is recommended for the manufacture of stretch film, cling film and agricultural film.

General Information			
Features	Good Toughness		
	High Clarity		
	High Elongation		
	High Tensile Strength		
	Low Density		
	Puncture Resistant		
Uses	Agricultural Applications		
	Film		
Processing Method	Cast Film		
	Casting		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield	10.3	MPa	
TD : Yield	9.32	MPa	
MD : Break	23.5	MPa	
TD : Break	16.7	MPa	
Tensile Elongation			ASTM D882
MD : Break	500	%	
TD : Break	600	%	
Dart Drop Impact ¹	110	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	102	°C	ASTM D1525
Peak Melting Temperature	122	°C	ASTM D3418
NOTE			

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