

LINATHENE® LL120

Linear Low Density Polyethylene

USI Corporation

Message:

LINATHENE LL120 is a butene linear low density polyethylene (LLDPE) developed for tubular blown film or slot cast film extrusion.

Films made from LINATHENE LL120 have excellent toughness, tensile strength, elongation, puncture strength.

LINATHENE LL120 is recommended for the manufacture of prime liner film, garment bag, freezing bag and other industrial and consumer packaging applications.

General Information			
Features	Antioxidant		
	Food Contact Acceptable		
	Good Drawdown		
	Good Toughness		
	High Tensile Strength		
	Low Density		
	Puncture Resistant		
Uses	Bags		
	Consumer Applications		
	Film		
	Food Packaging		
	Industrial Applications		
	Liners		
	Packaging		
Processing Method	Blown Film		
	Cast Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	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	11.3	MPa	
TD : Yield	9.81	MPa	
MD : Break	24.5	MPa	
TD : Break	17.7	MPa	
Tensile Elongation			ASTM D882
MD : Break	450	%	


TD : Break	550	%	
Dart Drop Impact ¹	110	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	103	°C	ASTM D1525
Peak Melting Temperature	122	°C	ASTM D3418
NOTE			
1.	F50		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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