

# LINATHENE® LL110

Linear Low Density Polyethylene

USI Corporation

## Message:

LINATHENE LL110 is a linear low density polyethylene (LLDPE) developed for blown-film extrusion. Films made from LINATHENE LL110 have excellent impact strength, puncture strength, tear strength, tensile strength, elongation.

LINATHENE LL110 is recommended for the manufacture of heavy duty bags, liner film and frozen food bags etc.

General Information			
Features	Food Contact Acceptable		
	Good Drawdown		
	Good Tear Strength		
	High Impact Resistance		
	High Tensile Strength		
	Low Density		
	Puncture Resistant		
Uses	Bags		
	Consumer Applications		
	Film		
	Food Packaging		
	Industrial Applications		
	Liners		
	Packaging		
Processing Method	Blown Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield	9.81	MPa	
TD : Yield	8.83	MPa	
MD : Break	21.6	MPa	
TD : Break	15.7	MPa	
Tensile Elongation			ASTM D882
MD : Break	500	%	
TD : Break	600	%	
Dart Drop Impact <sup>1</sup>	150	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			
1.	F50		

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