

NPC PE LL0209KJ

Linear Low Density Polyethylene

NPC Alliance Corporation

Message:

LL0209KJ is a linear low-density polyethylene copolymer with Butene-1 as the comonomer. It is intended for general-purpose films, which offers better tear resistance and good hot-tack properties. LL0209KJ is specially formulated with slip agent for easy opening property of the film.

APPLICATIONS

- Industrial Sacks
- Carrier and Garbage Bags
- Used in Lean Blend for FFS and Agricultural Film

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Butene Comonomer		
	Copolymer		
	Good Tear Strength		
	Hot Tack Strength		
	Slip		
Uses	Agricultural Applications		
	Bags		
	Blending		
	Film		
	Heavy-duty Bags		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	> 0.10		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ISO 1184
Tensile Stress			
MD : Yield, 38 µm	11.0	MPa	ISO 1184
TD : Yield, 38 µm	12.0	MPa	
MD : Break, 38 µm	40.0	MPa	
TD : Break, 38 µm	31.0	MPa	
Tensile Elongation			ISO 1184

MD : Break, 38 µm	650	%	
TD : Break, 38 µm	850	%	
Dart Drop Impact (38 µm)	160	g	ISO 6603-2
Elmendorf Tear Strength			ISO 6383-2
MD : 38 µm	2.4	N	
TD : 38 µm	6.0	N	
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	122	°C	ASTM D2117
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm)	50		ASTM D2457
Haze (38.0 µm)	12	%	ASTM D1003

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