

NPC PE LL0220KJ

Linear Low Density Polyethylene

NPC Alliance Corporation

Message:

LL0220KJ is a linear low-density polyethylene copolymer with Butene-1 as the comonomer. LL0220KJ offers good mechanical and easy opening properties of the film. It is suitable for a wide variety of film applications and can be used as blend with LDPE.

APPLICATIONS

Hand Wrap

Carrier and Garbage Bags

Industrial Sacks

Used as blend in LDPE

General Information			
Additive	Antiblock		
	Antioxidant		
	Slip		
Features	Antiblocking		
	Antioxidant		
	Butene Comonomer		
	Copolymer		
	Slip		
Uses	Blending		
	Closures		
	Containers		
	Crates		
	Engineering Parts		
	Film		
	Structural Foam		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.9	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	
Tensile Stress			ISO 1184
MD : Yield, 38 µm	10.0	MPa	
TD : Yield, 38 µm	11.0	MPa	

MD : Break, 38 μm	33.0	MPa	
TD : Break, 38 μm	25.0	MPa	
Tensile Elongation			ISO 1184
MD : Break, 38 μm	750	%	
TD : Break, 38 μm	870	%	
Dart Drop Impact (38 μm)	130	g	ISO 6603-2
Elmendorf Tear Strength			ISO 6383-2
MD : 38 μm	1.8	N	
TD : 38 μm	4.9	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)	15	%	ASTM D1003

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