

# NPC PE LL0220AA

Linear Low Density Polyethylene

NPC Alliance Corporation

Message:

LL0220AA is a linear low-density polyethylene copolymer with Butene-1 as the comonomer. LL0220AA offers a good balance of mechanical properties and good cling performance. It is suitable for a wide variety of film applications. LL0220AA can also be used as blending partner with both LDPE and LLDPE in both cast and blown film.

APPLICATIONS

Hand Wrap

Carrier and Garbage Bags

Industrial Liners

Blending Partner of LDPE

General Information	
Additive	Antioxidant
Features	Antioxidant
	Butene Comonomer
	Copolymer
	High Cling
Uses	Bags
	Blending
	Film
	Heavy-duty Bags
	Liners

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	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	> 0.50		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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