NPC PE LL0209AA

Linear Low Density Polyethylene

NPC Alliance Corporation

Message:

LL0209AA is a linear low-density polyethylene copolymer with Butene-1 as the comonomer. It is suitable for general-purpose films, neat or in blends with LDPE. Films produced are tough with better tear resistance, high tensile strength and improved hot-tack properties.
APPLICATIONS
Shipping Sacks
Carrier and Garbage Bags
Consumer Packaging
Blending Partner of LDPE

General Information	
Additive	Antioxidant
Features	Antioxidant Butene Comonomer Copolymer Good Tear Strength High Tensile Strength Hot Tack Strength
Uses	Bags Blending Film Heavy-duty Bags Packaging

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	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	11.0	MPa	
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

Recommended distributors for this material

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WECHAT