

NPC PE LL0209AF

Linear Low Density Polyethylene

NPC Alliance Corporation

Message:

LL0209AF is a linear low-density polyethylene copolymer with Butene-1 as the comonomer. It is intended for wide range of blown film applications, which offers superior hot-tack performance and higher tensile strength. LL0209AF contains process aid to allow easier extrusion; thus, preventing melt fracture.

APPLICATIONS

- Laminating Films
- Carrier and Garbage Bags
- Sealing Layers
- Industrial Bags

General Information			
Additive	Antioxidant		
	Processing Aid		
Features	Antioxidant		
	Butene Comonomer		
	Copolymer		
	High Tensile Strength		
	Hot Tack Strength		
Uses	Bags		
	Film		
	Heavy-duty Bags		
	Laminates		
	Sealants		
Processing Method	Blown Film		
	Film Extrusion		
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	> 0.50		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ISO 1184
Tensile Stress			
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

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