

Arak LLDPE LL1209AA / LL1209KJ

Linear Low Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

LL1209AA & LL1209KJ are linear low density polyethylene copolymers containing butene-1 as a co-monomer. LL1209AA & LL1209KJ are suitable for co extrusion blown films with the following advantages:

- Improved hot-tack.
- Good optical properties.
- Low gel level and low odour.
- Good substrate adhesion.
- Tough core layer.

Typical applications for LL1209AA & LL1209KJ are lamination films and heat sealing layers. Also LL1209KJ is highly recommended for display packaging. LL1209KJ offers high slip film with easy opening properties when used pure in thickness range 35-100 microns. Addition of other polymers, master batches and pigments or use of other thickness may alter film slip and anti-block performance.

Recommended melt temperature for extrusion is about 180°C-225°C.

LL1209AA & LL1209KJ should be stored in the dry condition below the 50°C and avoided from the exposure of direct sunlight.

* LL1209AA & LL1209KJ are suitable for food contact.

General Information			
Additive	High Slip		
Features	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Adhesion		
	Good Heat Seal		
	Good Toughness		
	High Slip		
	Hot Tack Strength		
	Low Gloss		
	Low to No Odor		
	Opticals		
Uses	Cable Jacketing		
	Film		
	Laminates		
	Packaging		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	

Film Thickness - Recommended / Available	35 to 100µm		
Tensile Strength	ASTM D882		
MD : Yield	9.50	MPa	
TD : Yield	9.50	MPa	
MD : Break	38.0	MPa	
TD : Break	28.0	MPa	
Tensile Elongation	ASTM D882		
MD : Break	450	%	
TD : Break	800	%	
Dart Drop Impact	150	g	ASTM D1709
Elmendorf Tear Strength	ASTM D1922		
MD : 25 µm	85	g	
TD : 25 µm	530	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	70		ASTM D2457
Haze	5.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 225	°C	

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