Arak LLDPE LL0209AA / LL0209KJ

Linear Low Density Polyethylene

Shazand (Arak) Petrochemical Corporation

Message:

LL0209AA & LL0209KJ are linear low density polyethylene copolymers containing butene-1 as a co-monomer.
LL0209AA & LL0209KJ are suitable for general purpose films, neat or in lean blends with LDPE and other ethylene polymers. Lean blends applications include sacks of all types, FFS and agricultural films.
In lean blends they offer the following advantages:
Greater draw down.
Improved hot-tack and lower seal shrinkage.
Better tear resistance.
Higher tensile stress and elongation at break.
LL0209KJ 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.
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.
LL0209AA & LL0209KJ should be stored in the dry condition below the 50°C and avoided from the exposure of direct sunlight.
Recommended melt temperature for extrusion is about 180°C - 225°C.
* LL0209AA & LL0209KJ are suitable for food contact.

General Information			
Additive	High Slip		
Features	Butene Comonomer Copolymer Food Contact Acceptable Good Drawdown Good Tear Strength High Elongation High Slip High Tensile Strength Hot Tack Strength		
Uses	Blending Film General Purpose		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.920	g/cm³	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	35-100 µm		
Tensile Strength			ASTM D882
MD : Yield	10.5	MPa	

TD : Yield	11.0	MPa	
MD : Break	41.0	MPa	
TD : Break	32.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	620	%	
TD : Break	840	%	
Dart Drop Impact	150	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	150	g	
TD : 25 µm	370	g	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	100	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°)	56		ASTM D2457
Haze	10	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	< 50.0	°C	
Melt Temperature	180 to 225	°C	

Recommended distributors for this material

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