



Arak Petrochemical Company



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## Linear Low Density Polyethylene

### LL1209AA / LL1209KJ

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	0.9
Density	D2839	gr/ml	0.920
Vicat Softening Point	D1525	°C	100
Tensile Strength @ Yield ,MD/TD	D638	Mpa	9.5/9.5
Elongation@Break, MD/TD	D638	%	450/800
Tensile Strength@Break,MD/TD	D688	Mpa	38/28
Tear Strength, MD/TD	D1922	gr/25mic	85/530
Impact Strength, Dart	D1709	gr	150
Haze	D1003	%	5
Gloss (45°)	D2457	Rating	70

➤ Values shown are averages & are not to be considered as product specifications.

\* 38 microns, 2:1 Blow ratio / MD=Machine Direction, TD=Transverse Direction

#### ❖ Main application & Characteristics:

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.