

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.