

LL0209AA / LL0209KJ

Linear Low Density Polyethylene (LLDPE)

Product Description

LL0209AA & LL0209KJ are linear low density polyethylene copolymers containing butene-1 as a co-monomer.

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.

Applications

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.
- LL0209AA & LL0209KJ are suitable for food contact.

TYPICAL PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD (ASTM)
RESIN			
MFI@190°C, 2.16 KG	gr/10min	0.9	D1238
DENSITY	gr/ml	0.920	D2839
VICAT SOFTENING POINT	°C	100	D1525
FILM *			
TENSILE STRENGTH@YIELD, MD/TD	MPa	10.5/11	D638
ELONGATION@BREAK, MD/TD	%	620/840	D638
TENSILE STRENGTH@BREAK, MD/TD	MPa	41/32	D688
TEAR STRENGTH, MD/TD	gr/25mic	145/370	D1922
IMPACT STRENGTH, DART	gr	150	D1709
HAZE	%	10	D1003
GLOSS (45°)	Rating	56	D2457