

Technical Data Sheet

LLDPE LL0209AA

Linear Low Density Polyethylene

"LL 0209AA" is a LLDPE copolymer with butene as comonomer which contains antioxidant. It is recommended for general purpose applications. It is suitable for blending with conventional LDPE.

Film made from pure LL 02090 AA has the following advantages over conventional LDPE. Better sealing, higher puncture resistance. Greater drawdown capability. Higher tensile strength.

Applications:

L0209AA is 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 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 is suitable for food contact.

Properties	Test Method	Units	Value
Resin			
Melt flow rate (MFR)(190°C/2.16Kg)	D 1238	g/10 min	0.9
Density	D 2839	g/ml	0.920
Vicat Softening Point	D 1525	°C	100
Film			
Tensile Strength@Yield, MD/TD	D 638	MPa	10.5/11
Elongation at Break MD/TD	D 638	%	620/840
Tensile Strain at Break MD/TD	D 638	MPa	41/32
Tear Strength MD/TD	D 1922	g/25μ	145/370
Impact Strength, Dart	D 1709	gr	150
Haze	D 1003	%	10
Gloss(45)	D 2457	Rating	56