



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

Linear Low Density Polyethylene

LL0220AA

Typical properties	Test method (ASTM)	Unit	Value
Resin			
MFI@190°C, 2.16 kg	D1238	gr/10min	2 - 2.5
Density	D2839	gr/ml	0.917-0.920
Film *			
Tensile Strength@Yield, MD/TD	D638	Mpa	10/9
Elongation@Break, MD/TD	D638	%	600/810
Tensile Strength@Break, MD/TD	D688	Mpa	40/31
Tear Strength, MD/TD	D1922	gr/25mic	90/280
Haze	D1003	%	13
Gloss(45°)	D2457	Rating	50

➤ 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:

LL0220AA is a linear low density polyethylene copolymer containing butene-1 as a co-monomer.

LL0220AA has been specially developed for production of hand wrap and other cast stretch films such as oriented tapes. It can also be used as a blending partner in LDPE or LLDPE in both cast and blown film applications.

LL0220AA offers the following advantages when it processed by the cast extrusion process:

- Good balance of mechanical properties.
- Good optical properties.
- Good cling performance.

LL0220AA also can be used as compounds for low voltage power cable insulation or fibre optic jacketing.

LL0220AA should be processed in machinery designed for LLDPE.

Melt temperature range in the cast process are normally 240°C-280°C and in lean blends for blown film are 165°C-215°C.

LL0220AA should be stored in the dry condition below the 50°C and avoided from the exposure of direct sunlight.

* LL0220AA is suitable for food contact.