



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

LL0410AA / LL0410KJ

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	0.9 - 1.1
Density	D2839	gr/ml	0.924-928
Vicat Softening Point	D1525	°C	105
Tensile Strength@Yield, MD/TD	D638	Mpa	12/13
Elongation@Break, MD/TD	D638	%	650/800
Tensile Strength@Break, MD/TD	D688	Mpa	42/33
Impact Strength, Dart	D1709	gr	90
Haze (45°)	D1003	%	13
Gloss	D2457	Rating	48

➤ 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:

LL0410AA & LL0410KJ are linear low density polyethylene copolymers containing butene-1 as a co-monomer.

LL0410AA & LL0410KJ are suitable for thin and stiff blown films because of their good draw down properties. LL0410AA also can be used for applications such as carrier bags and garment wraps. LL0410KJ contains slip and anti-blocking agents for better opening properties.

Recommended melt temperature for extrusion is about 180°C - 225°C.

LL0410AA & LL0410KJ should be stored in the dry condition below the 50°C and avoided from the exposure of direct sunlight.

* LL0410AA & LL0410KJ are suitable for food contact.