



Arak Petrochemical Company



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Linear Low Density Polyethylene

LL0220CA

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	2 - 2.5
Density	D2839	gr/ml	0.917-0.920
Tensile Strength@Yield, MD/TD	D638	Mpa	8/7.5
Elongation@Break, MD/TD	D638	%	475/700
Tensile Strength@Break, MD/TD	D688	Mpa	30/20
Tear Strength, MD/TD	D1922	gr/25mic	70/480
Haze	D1003	%	1
Gloss(45°)	D2457	Rating	90

➤ Values shown are averages & are not to be considered as product specifications.

* 28 microns, Film Cast at 200m/min, 260°C

MD=Machine Direction, TD=Transverse Direction

❖ Main application & Characteristics:

LL0220CA is a linear low density polyethylene copolymer containing butene-1 as a co-monomer.

LL0220CA is suitable for production of cast stretch films. It can also be used as a blending partner in LDPE or LLDPE in both cast and blown film applications. The main characteristic of this grade is high TD tear strength that appropriates it for stretch applications.

LL0220CA also can be used as compounds for low voltage power cable insulation or fibre optic jacketing.

LL0220CA 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.

LL0220CA should be stored in the dry condition below the 50°C and avoided from the exposure of direct sunlight.

* **LL0220CA** is suitable for food contact.