

# Arak LLDPE LL0220CA

Linear Low Density Polyethylene

Shazand (Arak) Petrochemical Corporation

## Message:

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.

General Information	
Features	Butene Comonomer
	Copolymer
	Food Contact Acceptable
	Good Stretchability
	Good Tear Strength
Uses	Blending
	Cable Jacketing
	Cast Film
	Film
	Stretch Wrap
Processing Method	Blown Film
	Cast Film
	Wire & Cable Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.917 to 0.920	g/cm <sup>3</sup>	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0 to 2.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	28	µm	
Tensile Strength			ASTM D882
MD : Yield	8.00	MPa	
TD : Yield	7.50	MPa	
MD : Break	30.0	MPa	
TD : Break	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	480	%	

TD : Break	700	%	
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm	70	g	
TD : 25 μm	480	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	90		ASTM D2457
Haze	1.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Blown Film Melt Temperature	165 to 215	°C	
Cast Film Melt Temperature	240 to 280	°C	

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#### Recommended distributors for this material

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