

Arak LLDPE LL0220AA

Linear Low Density Polyethylene

Shazand (Arak) Petrochemical Corporation

Message:

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.

General Information

Features	Butene Comonomer Copolymer Food Contact Acceptable High Cling Opticals
Uses	Blending Cable Jacketing Cast Film Film Stretch Wrap Tape
Processing Method	Blown Film Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.917 to 0.920	g/cm ³	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	38	µm	
Tensile Strength			ASTM D882
MD : Yield	10.0	MPa	
TD : Yield	9.00	MPa	
MD : Break	40.0	MPa	

TD : Break	31.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	600	%	
TD : Break	810	%	
Elmendorf Tear Strength			ASTM D1922
MD : 25 μ m	90	g	
TD : 25 μ m	280	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	50		ASTM D2457
Haze	13	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Blown Film Melt Temperature	165 to 215	°C	
Cast Film Melt Temperature	240 to 280		

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