

Arak LLDPE LL0640AA / LL0640KJ

Linear Low Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

LL0640AA & LL0640KJ are linear low density polyethylene copolymers containing butene-1 as a co-monomer.
LL0640AA & LL0640KJ have been specially designed for the production of high quality cast films, such as display packaging, bubble film and non cling layer for stretch film.
LL0640AA & LL0640KJ have the following advantages:
High melt flow rate for high output cast extrusion.
Excellent combination of strengths and stiffness.
High gloss and clarity.
If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.
Melt temperature range in the cast process are normally 220°C-260°C and in lean blends for blown film are 160°C-215°C.
LL0640AA & LL0640KJ should be stored in the dry condition below the 50°C and avoided from the exposure of direct sunlight.
* LL0640AA & LL0640KJ are suitable for food contact.

General Information			
Features	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	High Clarity		
	High Flow		
	High Gloss		
	High Stiffness		
	High Strength		
Uses	Cast Film		
	Film		
	Packaging		
	Stretch Wrap		
Processing Method	Blown Film		
	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.929	g/cm ³	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	ASTM D882
Tensile Strength			
MD : Yield	12.0	MPa	
TD : Yield	12.0	MPa	
MD : Break	33.0	MPa	

TD : Break	25.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	600	%	
TD : Break	810	%	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	87		ASTM D2457
Haze	2.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Blown Film Melt Temperature	160 to 215	°C	
Cast Film Melt Temperature	220 to 260	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

