

Arak LLDPE LL0410AA / LL0410KJ

Linear Low Density Polyethylene

Shazand (Arak) Petrochemical Corporation

Message:

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.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Drawdown		
	Slip		
Uses	Bags		
	Film		
	Laundry Bags		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.924 to 0.928	g/cm³	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90 to 1.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ASTM D882
Tensile Strength			
MD : Yield	12.0	MPa	
TD : Yield	13.0	MPa	
MD : Break	42.0	MPa	
TD : Break	33.0	MPa	ASTM D882
Tensile Elongation			
MD : Break	650	%	
TD : Break	800	%	ASTM D1709
Dart Drop Impact	90	g	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	105	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	48		ASTM D2457
Haze	13	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 225	°C	

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