

EGYPTENE LL 0220 KJ

Linear Low Density Polyethylene
Sidpec (Sidi Kerir Petrochemicals Co.)

Message:

LL 0220 KJ is a LLDPE copolymer with butane as comonomer which contains antioxidant, slip and antiblock additives. This grade is suitable for the production of blown film for light duty applications with a high slip requirement.

Film made from pure LL 0220 KJ can be produced at higher output compared to standard 1MFR LDPE buttene copolymers.

General Information			
Additive	High smoothness		
	Anti-caking agent		
	Antioxidation		
Features	Low density		
	Butene comonomer		
	High smoothness		
	Copolymer		
	Anti-caking property		
	Antioxidation		
Uses	Films		
	cast film		
Agency Ratings	Europe No 10/2011		
Forms	Particle		
Processing Method	Blow film		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 1184
MD: Yield	10.0	MPa	ISO 1184
TD: Yield	11.0	MPa	ISO 1184
MD: Fracture	30.0	MPa	ISO 1184
TD: Fracture	25.0	MPa	ISO 1184
Tensile Elongation			ISO 1184
MD: Fracture	650	%	ISO 1184
TD: Fracture	800	%	ISO 1184

Dart Drop Impact	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 μ m	100	g	ASTM D1922
TD : 25 μ m	270	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ISO 306
Additional Information			

Film properties were measured on 38 micron film extruded at a blow up ratio 2:1 with a melt temperature of 225°C.

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