

KPOL-LLDPE LL K-1.1/918

Linear Low Density Polyethylene
KPOL Chem Co.

Message:

Linear Low Density Polyethylene
Applications
Typical applications are shipping sacks, ice bags, frozen food bags, liners, carrier bags, garbage bags, agriculture films, lamination and coextruded films, shrink film (for blending with LDPE), Industrial consumer packaging and high clarity film if blended with (10-20%) LDPE.
Characteristics
LLDPE Butene Copolymer. KPOL® LL K- 1.1/918 is a butene linear low density polyethylene resin designed for general purpose applications. Films produced from this resin are tough with excellent puncture resistance, puncture resistance, high tensile strength and good hottack properties.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Toughness		
	High Tensile Strength		
	Low Density		
Uses	Puncture Resistant		
	Bags		
	Film		
	Laminates		
	Liners		
Agency Ratings	Packaging		
	FDA 21 CFR 177.1520		
	Pellets		
Forms	Coextruded Film		
Processing Method	Extrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Break	40.0	MPa	

TD : Break	30.0	MPa	
Flexural Modulus			ASTM D882
1% Secant, MD	170	MPa	
1% Secant, TD	200	MPa	
Dart Drop Impact	120	g	ASTM D1709A
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	96		ASTM D2457
Haze	10	%	ASTM D1003

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