

KPOL-LDPE LD K-2.0/922 SA

Low Density Polyethylene

KPOL Chem Co.

Message:

Low Density Polyethylene Excellent Processability

Characteristics

KPOL - LD K-2.0/922 SA is a low density polyethylene grade, produced under high pressure in a Tubular reactor. Films obtained with this product show outstanding optical properties, good sealability, and low gel amount.

Applications

This resin is recommended for use in extrusion of films for general purposes, technical films for automatic packaging and blends with LLDPE.

General Information			
Additive	Antiblock		
	Antioxidant		
	Slip		
Features	Antiblocking		
	Antioxidant		
	BPA Free		
	Good Processability		
	Low Density		
	Low Gel		
	Opticals		
	Slip		
Uses	Blending		
	General Purpose		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
2% Secant, MD	135	MPa	
2% Secant, TD	155	MPa	
Tensile Strength			ASTM D882

MD : Break	30.0	MPa	
TD : Break	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	260	%	
TD : Break	1100	%	
Dart Drop Impact ¹	85	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	430	g	
TD	120	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ASTM D1525 ²
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	109		ASTM D2457
Haze	6.0	%	ASTM D1003
NOTE			
1.	F50		
2.	Rate A (50°C/h), Loading 1 (10 N)		

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