

# KPOL-LDPE LD K-1.40/920

Low Density Polyethylene

KPOL Chem Co.

## Message:

Low Density Polyethylene Excellent Processability

### Characteristics

KPOL Chem LD K- 1.40/922 is a low density polyethylene (LDPE) resin used in a wide range of processing methods such as injection molding, blow moulding and film extrusion. It exhibits very good softness and toughness and good dimensional stability. Is delivered in pellet form and is not additivated .

### Applications

Typical customer applications include products with good mechanical properties and high flexibility : Blow Moulding Applications, Bottles For Consumer Goods, Caps & Closures, Sports, Leisure, Toys and lids and champagne corks.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Dimensional Stability		
	Good Flexibility		
	Good Processability		
	Good Toughness		
	Soft		
Uses	Bottles		
	Caps		
	Closures		
	Lids		
	Sporting Goods		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow Molding		
	Extrusion		
	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638

Yield	13.0	MPa	
Break	16.0	MPa	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ASTM D1525 <sup>1</sup>
NOTE			
1.	Rate A (50°C/h), Loading 1 (10 N)		

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