

KPOL-LLDPE LLD K-I 35/926

Linear Low Density Polyethylene
KPOL Chem Co.

Message:

Linear Low Density Polyethylene
Characteristics
KPOL® Chem LLD K-I 35/926 is a linear low-density polyethylene, narrow molecular weight butene-1 copolymer, produced by solution process, for injection molding. It offers good fluidity, excellent flexibility, tenacity and low warpage. It contains special antioxidant additives.
Applications
Resin has been specifically developed for lids molding injection, house appliances and masterbatch production.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	BPA Free		
	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Flexibility		
	Good Flow		
	Low Warpage		
	Narrow Molecular Weight Distribution		
Uses	Appliances		
	Lids		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.926	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	< 1.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	11.0	MPa	
Break	8.50	MPa	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ASTM D1525 ¹
Additional Information	Nominal Value	Unit	Test Method

Rigidity	310	MPa	ASTM D747
Temperature - Fragility	< -76	°C	ASTM D746
NOTE			
1.	Loading 1 (10 N)		

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