KPOL-HDPE HD K-04/950

High Density (HMW) Polyethylene

KPOL Chem Co.

Message:

High Molecular Weight High Density Polyethylene (HMW-HDPE) for Film Extrusion
Characteristics
The KPOL Chem - HD K-04/950 resin is a high density polyethylene produced with bimodal technology developed for the extrusion of high molecular weight film.
The film produced from this resin exhibits characteristics of high toughness and excellent impact resistance even in small thickness.
This resin has wide molar mass distribution, giving it easier to process.
Applications
Retail bags; perforated rolls; repackaging; geomembranes; bags in general.

General Information			
Additive	Antioxidant		
Features	Antioxidant Good Impact Resistance Good Processability Good Toughness High Density High Molecular Weight Wide Molecular Weight Distribution		
Uses	Bags Geo Membranes Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.950	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.040	g/10 min	
190°C/21.6 kg	8.6	g/10 min	
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D882
MD : Yield	40.0	MPa	
TD : Yield	30.0	MPa	
MD : Break	45.0	MPa	
TD : Break	55.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	630	%	

TD : Break	690	%	
Dart Drop Impact [1]	200	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	6.0	g	
TD	60	g	

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	130	°C	DSC

NOTE			
1.	F50		

Recommended distributors for this material

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