

KPOL-HDPE HD K-0.2/957B

High Density (HMW) Polyethylene

KPOL Chem Co.

Message:

High Molecular Weight High Density Polyethylene (HMW-HDPE)

Characteristics

The KPOL Chem - K-02/957B is a high density polyethylene produced with bimodal technology, cold mixture, developed for the segment Eventually Injection and Extrusion.

Applications

Injection parts in General, with high mechanical strength, with Differentiated Properties.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	BPA Free		
	Food Contact Acceptable		
	High Density		
	High Molecular Weight		
	High Strength		
Uses	General Purpose		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.20	g/10 min	
190°C/21.6 kg	14	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		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

