KPOL-HDPE HD K-0.75/952

High Density Polyethylene

KPOL Chem Co.

Message:

High Density Polyethylene Copolymer Extrusion - Blow Molding

Applications

KPOL - HD K-0.75/952 is specially formulated for the production of stretched tapes, monofilament and blown film.

Characterisitics

KPOL - HD K-0.75/952 is a medium molecular weight extrusion grade of high density polyethylene. If this product is used for food contact applications, then the user needs to ensure compliance with the requirements of relevant FDA regulations.

Additive Artioxidant (300 to 600 ppm) Features Artioxidant Copolymer Food Contact Acceptable High Density Medium Molecular Weight Uses Blown Film Monofilaments Tape Forms Pellets Processing Method Blown Film Extrusion Blown Film Extrusion Blow Molding Film Extrusion Extrusion Blow Molding Film Extrusion Protessing Method 0.952 g/cm³ ASTM D1505 Metivas-Flow Rate (MRR) (190°C/2.16 (s) 0.75 g/10 min ASTM D1238 So°C, 3.18 mm, 100% legeal CO-630, F50 To 20.0 hr ASTM D1693A So°C, 1.91 mm, 100% legeal CO-630, F50 8.00 to 10.0 hr ASTM D1693B So°C, 1.91 mm, 100% legeal CO-630, F50 So0 to 10.0 hr ASTM D1693B So°C, 1.91 mm, 100% legeal CO-630, F50 So0 to 10.0 hr ASTM D1693B Burnet Hardness Nominal Value Unit Test Method Durometer Hardness (Shore D, 1 sec. 28°C) 65 X5TM D2240 Mechanical Nominal Value Unit Test Meth	General Information			
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Mechanical Nominal Value Unit Test Method	Hardness	Nominal Value	Unit	Test Method
	Durometer Hardness (Shore D, 1 sec, 23°C)	65		ASTM D2240
Tensile Strength ² (Yield) 30.3 MPa ASTM D638	Mechanical	Nominal Value	Unit	Test Method
	Tensile Strength ² (Yield)	30.3	MPa	ASTM D638

Tensile Elongation ³ (Break)	> 300	%	ASTM D638
Flexural Modulus - Tangent ⁴ (3.20 mm)	1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	126	kJ/m²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45			
MPa, Unannealed)	79.0	°C	ASTM D648
Brittleness Temperature ⁵	< -76.0	°C	ASTM D746A
Vicat Softening Temperature	130	°C	ASTM D1525 ⁶
NOTE			
1.	Grooved Specimen		
2.	Type IV, 50 mm/min		
3.	Type IV, 50 mm/min		
4.	13 mm/min		
5.	F50; 25 lbfXin		
6.	Rate A (50°C/h), Loading 1 (10 N)		

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