

Premier HD10H50

High Density Polyethylene

Premier Polymers, LLC.

Message:

Premier H10H50 is a HMW-HDPE resin suitable for use in high strength and high stiffness film applications. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

General Information			
Features	Food Contact Acceptable		
	High Density		
	High Molecular Weight		
	High Stiffness		
	High Strength		
Uses	Film		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.060	g/10 min	
190°C/21.6 kg	10	g/10 min	
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield	37.2	MPa	
TD : Yield	31.0	MPa	
MD : Break	68.9	MPa	
TD : Break	48.3	MPa	
Tensile Elongation			ASTM D882
MD : Break	300	%	
TD : Break	400	%	
Elmendorf Tear Strength			ASTM D1922
MD	10	g	
TD	25	g	

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