

Premier HD30H18

High Density Polyethylene

Premier Polymers, LLC.

Message:

Premier HD30H58 is a high density polyethylene resin suitable for stiff cast/blown film applications. Also can be used in an LLDPE blend. 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		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blown Film		
	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.45	g/10 min	
190°C/21.6 kg	30	g/10 min	
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
MD	1100	MPa	
TD	1380	MPa	
Tensile Strength			ASTM D882
MD : Yield	34.5	MPa	
TD : Yield	13.8	MPa	
MD : Break	82.7	MPa	
TD : Break	37.9	MPa	
Tensile Elongation			ASTM D882
MD : Break	420	%	
TD : Break	5.0	%	
Elmendorf Tear Strength			ASTM D1922
MD	10	g	
TD	800	g	

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