

Alathon® H6012

High Density (MMW) Polyethylene
LyondellBasell Industries

Message:

ALATHON H 6012 is medium molecular weight high density polyethylene homopolymer for use in cast film applications. Typical applications for this resin include extrusion coating, blends with LDPE and laminations.

General Information			
Features	Homopolymer		
	Compliance of Food Exposure		
	Medium molecular weight		
Uses	Films		
	Laminate		
	Mixing		
	cast film		
	Coating application		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Extrusion coating		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD	931	MPa	ASTM D882
TD	1070	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	25.5	MPa	ASTM D882
TD: Yield	31.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	850	%	ASTM D882
TD: Fracture	350	%	ASTM D882
Extrusion	Nominal Value	Unit	
Melt Temperature	177	°C	
Take-Off Roll	60.0	°C	
Extrusion instructions			

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