

# Alathon® M6030

High Density (MMW) Polyethylene  
LyondellBasell Industries

Message:

ALATHON M6030 is a medium molecular weight high density homopolymer with extremely low gel content. Typical applications for this resin are cast film, coextrusion and dry food packaging.

General Information			
Features	Food Contact Acceptable		
	Low Gel		
	Medium Molecular Weight		
Uses	Cast Film		
	Film		
	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Cast Film		
	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
MD	689	MPa	
TD	827	MPa	
Tensile Strength			ASTM D882
MD : Yield	22.1	MPa	
TD : Yield	20.7	MPa	
Tensile Elongation			ASTM D882
MD : Break	860	%	
TD : Break	850	%	
Elmendorf Tear Strength			ASTM D1922
MD	20	g	
TD	500	g	
Extrusion	Nominal Value	Unit	
Melt Temperature	199	°C	

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Recommended distributors for this material

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