

Alathon® M6060

High Density (MMW) Polyethylene
LyondellBasell Industries

Message:

ALATHON M6060 is a medium molecular weight high density homopolymer with extremely low gel content. This resin provides high stiffness and narrow molecular weight distribution for use in cast film applications. Typical applications for this resin are dry food packaging, overwrap and WVTR.

General Information			
Features	Food Contact Acceptable		
	High Stiffness		
	Homopolymer		
	Low Gel		
	Narrow Molecular Weight Distribution		
Uses	Cast Film		
	Film		
	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	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)	6.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
MD	793	MPa	
TD	1030	MPa	
Tensile Strength			ASTM D882
MD : Yield	24.1	MPa	
TD : Yield	25.5	MPa	
Tensile Elongation			ASTM D882
MD : Break	850	%	
TD : Break	650	%	
Extrusion	Nominal Value	Unit	
Melt Temperature	199	°C	

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Recommended distributors for this material

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