

Alathon® M6020

High Density (MMW) Polyethylene
LyondellBasell Industries

Message:

Alathon M6020 is a medium molecular weight high density homopolymer for use in blown or cast film applications. This resin provides extremely low gel content and high stiffness. Typical applications include dry food packaging, overwrap and WVTR.

General Information			
Features	Low speed solidification crystal point		
	Rigidity, high		
	High density		
	Homopolymer		
	Compliance of Food Exposure		
	Medium molecular weight		
Uses	Packaging		
	Films		
	cast film		
	Food packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow film		
	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)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM E111
MD	945	MPa	ASTM E111
TD	1300	MPa	ASTM E111
Tensile Strength			ASTM D882
MD: Yield	24.1	MPa	ASTM D882
TD: Yield	25.5	MPa	ASTM D882
MD: Fracture	49.6	MPa	ASTM D882
TD: Fracture	22.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	860	%	ASTM D882
TD: Fracture	850	%	ASTM D882

Elmendorf Tear Strength			ASTM D1922
MD	34	g	ASTM D1922
TD	500	g	ASTM D1922
Extrusion	Nominal Value	Unit	
Melt Temperature	199 - 210	°C	
Extrusion instructions			

Typical Extrusion Conditions: 2.0 mil Blown Film Blow Up Ratio: 2.5:1 Die Gap: 60 mil

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co., Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

