

Alathon® H6012EC

High Density Polyethylene

LyondellBasell Industries

Technical Data

Product Description

ALATHON H6012EC is a high density polyethylene homopolymer. Typical applications for this resin include blending with LDPE for formulating medium density to high density blends for cast film, coating blends or laminations.

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Mold Shrink (English) • Processing - Polyolefin Injection Molding Guide (English) • Processing - Start-Up Guide (English) • Technical Datasheet (English)		
Search for UL Yellow Card	• LyondellBasell Industries • Alathon®		
Availability	• Asia Pacific • Europe	• North America • South America	
Features	• Food Contact Acceptable	• Homopolymer	
Uses	• Blending • Cast Film	• Coating Applications • Film	• Laminates
Agency Ratings	• FDA 21 CFR 177.1520		
Forms	• Pellets		
Processing Method	• Cast Film	• Extrusion Coating	

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	
TD	1070 MPa	
Tensile Strength		ASTM D882
MD: Yield	25.5 MPa	
TD: Yield	31.7 MPa	
Tensile Elongation		ASTM D882
MD: Break	850 %	
TD: Break	350 %	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.