

Hostalen ACP 9045F

High Density Polyethylene
LyondellBasell Industries

Technical Data

Product Description

Hostalen ACP 9045F is a high density Polyethylene, made with the Hostalen ACP technology having medium molar mass and a narrow molecular mass distribution. Foodlaw compliance information about this product can be found in separate product documentation.

This product is not intended for use in medical and pharmaceutical applications.

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Mold Shrink (English) • Processing - PE Films (English) • Processing - Polyolefin Injection Molding Guide (English) • Technical Datasheet (English)		
Search for UL Yellow Card	• LyondellBasell Industries • Hostalen		
Availability	• Africa & Middle East	• Europe	
Additive	• Antioxidant		
Features	• Good Tear Strength	• Medium Molecular Weight	• Narrow Molecular Weight Distribution
Uses	• Film	• Food Packaging	
Forms	• Pellets		
Processing Method	• Filament Winding		

Physical	Nominal Value Unit	Test Method
Density	0.948 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)		ISO 1133
190°C/21.6 kg	23 g/10 min	
190°C/5.0 kg	1.8 g/10 min	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	750 MPa	ISO 527-2
Tensile Stress (Yield)	25.0 MPa	ISO 527-2

Films	Nominal Value Unit	Test Method
Film Thickness - Tested	30 µm	
Film Thickness - Recommended / Available	20 to 80 µm	
Tensile Strength		ISO 527-3
MD: 30 µm, Blown Film	65.0 MPa	
TD: 30 µm, Blown Film	58.0 MPa	
Tensile Elongation		ISO 527-3
MD: Break, 30 µm, Blown Film	500 %	
TD: Break, 30 µm, Blown Film	800 %	

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	77.0 °C	ISO 306/B50

Additional Information

Film properties tested using 30 µm thickness blown film extruded at a melt temperature of 210°C and a blow-up ratio of 3:1.

Extrusion	Nominal Value Unit
Melt Temperature	190 to 230 °C

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.