

Hostalen GD 9550 F

High Density Polyethylene
LyondellBasell Industries

Technical Data

Product Description

Hostalen GD 9550F is a high density polyethylene. Films made of Hostalen GD 9550F provide a good barrier against water vapour. It contains antioxidants and is delivered in pellet form.

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	• Europe	
Additive	• Antioxidant	
Features	• Antioxidant • Good Flow	• Low Gel • Moisture Barrier
Uses	• Film • Food Packaging	• Packaging • Plastics Modification
Forms	• Pellets	
Processing Method	• Blown Film	

Physical	Nominal Value Unit	Test Method
Density	0.950 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)		ISO 1133
190°C/21.6 kg	34 g/10 min	
190°C/5.0 kg	3.1 g/10 min	
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	950 MPa	ISO 527-2
Tensile Stress (Yield)	23.0 MPa	ISO 527-2
Tensile Strain (Yield)	10 %	ISO 527-2
Films	Nominal Value Unit	Test Method
Film Thickness - Tested	30 µm	
Film Thickness - Recommended / Available	0.8-3.1 mil (20-80 µ)	
Tensile Strength		ISO 527-3
MD: 30 µm, Blown Film	55.0 MPa	
TD: 30 µm, Blown Film	50.0 MPa	
Tensile Elongation - MD		ISO 527-3
Break, 30 µm, Blown Film	600 %	
Dart Drop Impact (30 µm, Blown Film)	50 g	ASTM D1709
Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	72.0 °C	ISO 306/B50
Additional Information	Nominal Value Unit	Test Method
Staudinger Index	230 cm³/g	ISO 1628
Film properties tested using 30 µm thickness blown film extruded at a melt temperature of 190°C and a blow-up ratio of 2.65:1.		
Extrusion	Nominal Value Unit	
Melt Temperature	180 to 230 °C	