

Hostalen GF 9055 F

High Density Polyethylene

LyondellBasell Industries

Message:

Hostalen GF 9055F is a high density polyethylene. Films made of Hostalen GF 9055F 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 Information			
Additive	Antioxidation		
Features	Low speed solidification crystal point		
	Moisture proof		
	Antioxidation		
	Good liquidity		
Uses	Blown Film		
	Films		
	Bags		
	Food packaging		
	Plastic modification		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	1.8	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1000	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	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	26.0	MPa	ISO 527-3
TD: 30 µm, blown film	50.0	MPa	ISO 527-3
Tensile Elongation - MD (Broken, 30 µm, blown film)	430	%	ISO 527-3

Dart Drop Impact (30 µm, Blown Film)	30	g	ASTM D1709
Elmendorf Tear Strength			ISO 6383-2
MD: 30 µm, blown film	0.80	N	ISO 6383-2
TD: 30 µm, blown film	0.20	N	ISO 6383-2
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (-30°C)	30.0	kJ/m ²	ISO 8256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ISO 306/B50
Additional Information	Nominal Value	Unit	Test Method
Staudinger Index	270	cm ³ /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 - 230	°C	

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