

Technical Data Sheet

Hostalen GF 9055 F

High Density Polyethylene



Product Description

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.

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

Status	Commercial: Active
Availability	Europe
Application	Bags & Pouches; Barrier Film; Food Packaging Film; Products for Use in Property Modification
Market	Flexible Packaging
Processing Method	Blown Film
Attribute	Antioxidant; Good Flow; Low Gel; Moisture Barrier

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/5.0 kg)	1.8	g/10 min	ISO 1133-1
(190 °C/21.6 kg)	24	g/10 min	ISO 1133-1
Density	0.954	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1300	MPa	ISO 527-1, -2
Tensile Stress at Yield	27	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Film			
Dart Drop Impact Strength	30	g	ASTM D1709
Tensile Strength			
MD	50	MPa	ISO 527-1, -3
TD	30	MPa	ISO 527-1, -3
Tensile Strain at Break, MD	430	%	ISO 527-1, -3
Elmendorf Tear Strength			
MD	0,20	g	ISO 6383-2
TD	0,80	g	ISO 6383-2
Impact			
Tensile Impact Strength	30	kJ/m ²	ISO 8256
Hardness			
Shore Hardness, (Shore D)	63		ISO 868
Thermal			



Vicat Softening Temperature, (B50)	78 °C	ISO 306
Peak Melting Point	133 °C	ISO 11357-3
Additional Information		
Test Specimen	Film	
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.		
Processing Parameters		
Melt Temperature	180-230 °C	

Notes

These are typical property values not to be construed as specification limits.

