

Technical Data Sheet

Hostalen GF 9045 F

High Density Polyethylene



Product Description

Hostalen GF 9045F is a high density Polyethylene, having medium molar mass and a narrow molecular mass distribution. This product is not intended for use in medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Europe
Application	Food Packaging Film; Products for Use in Property Modification
Market	Flexible Packaging
Processing Method	Blown Film
Attribute	Antioxidant; Good Tear Strength; Low Gel

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)	21	g/10 min	ISO 1133-1
Density	0.946	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	900	MPa	ISO 527-1, -2
Tensile Stress at Yield	21	MPa	ISO 527-1, -2
Film			
Dart Drop Impact Strength	45	g	ASTM D1709
Tensile Strength			
MD	60	MPa	ISO 527-1, -3
TD	50	MPa	ISO 527-1, -3
Tensile Strain at Break, MD	520	%	ISO 527-1, -3
Thermal			
Vicat Softening Temperature, (B50)	75	°C	ISO 306
Peak Melting Point	130	°C	ISO 11357-3
Additional Information			
Test Specimen	Film		
Film properties tested using 30 µm thickness blow n film extruded at a melt temperature of 190°C and a blow -up ratio of 3:1.			
Processing Parameters			
Melt Temperature	190-230	°C	

