



Hostalen GF 9045 F

Polyethylene, High Density

Product Description

Hostalen GF 9045F is a high density Polyethylene, 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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Methods	Blown Film
Features	Antioxidant, Good Tear Strength
Typical Customer Applications	Film, Food Packaging Film, Products for Use in Property Modification

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.946	g/cm³
Melt flow rate (MFR)	ISO 1133		
(190°C/21.6kg)		21	g/10 min
(190°C/5.0kg)		1.8	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	800	MPa
Tensile Stress at Yield	ISO 527-1, -2	21.0	MPa
Tensile Strength	ISO 527-1, -3		
Note: MD		45.0	MPa
		28.0	MPa
Note: TD			
Tensile Strain at Break	ISO 527-1, -3	520	%
Note: MD			
Thermal			
Vicat softening temperature (B50 (50°C/h 50N))	ISO 306	73.0	°C
Film			
Melt Temperature		190 to 230	°C

Additional Properties

Film properties tested using 30 µm thickness blown film extruded at a melt temperature of 190°C and a blow-up ratio of 3:1.
Dart Drop Index [ASTM D 1709] = 45g, on blown film
Staudinger Index, ISO 1628: 260 ml/g
Recommended Thickness: 20 to 80 µm

Notes

Typical properties; not to be construed as specifications.