



## Hostalen GD 9550 F

### Polyethylene, High Density

#### 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.

#### Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Methods	Blown Film
Features	Antioxidant, Moisture Barrier, Good Flow, Low Gel
Typical Customer Applications	Barrier Film, Blown Film, Consumer Packaging, Film, Food Packaging Film, Products for Use in Property Modification

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.950	g/cm <sup>3</sup>
Melt flow rate (MFR)	ISO 1133		
(190°C/21.6kg)		34.0	g/10 min
(190°C/5.0kg)		3.1	g/10 min
<b>Mechanical</b>			
Dart drop impact (30 µm, Blown Film)	ASTM D 1709	50	g
Tensile Modulus	ISO 527-1, -2	950	MPa
Tensile Stress at Yield	ISO 527-1, -2	23.0	MPa
Tensile Strain at Yield	ISO 527-1, -2	10	%
Tensile Strength	ISO 527-1, -3	55.0	MPa
		50.0	MPa
Tensile Strain at Break	ISO 527-1, -3	600	%
<b>Thermal</b>			
Vicat softening temperature (B50 (50°C/h 50N))	ISO 306	72.0	°C
<b>Film</b>			
Melt Temperature		180 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 2,65 : 1.

Staudinger Index, ISO 1628: 230 ml/g

Recommended Thickness: 20 to 80 µm