

Technical Data Sheet

Hostalen GD 9555

High Density Polyethylene



Product Description

Hostalen GD 9555 is a medium molecular weight, high density polyethylene for use in flexible packaging applications such as overwrap, lamination, food packaging and oriented films. Films made of Hostalen GD 9555 provide a very 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; Cast 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)	3.0	g/10 min	ISO 1133-1
(190 °C/21.6 kg)	63	g/10 min	ISO 1133-1
Density	0.953	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1050	MPa	ISO 527-1, -2
Tensile Stress at Yield	25	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	41	MPa	ISO 527-1, -3
TD	26	MPa	ISO 527-1, -3
Tensile Strain at Break, MD	490	%	ISO 527-1, -3
Thermal			
Vicat Softening Temperature, (B50)	75	°C	ISO 306
Peak Melting Point	131	°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 2,65 : 1.			
Processing Parameters			
Melt Temperature	180-230	°C	

