

SABIC® HDPE F01552

High Density (MMW) Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC®HDPE F01552 is a high density (MMW) polyethylene product. It can be processed by blowing film and is available in Europe. SABIC®The application areas of HDPE F01552 include bags/linings and movies. The main characteristics are: accessible food.

General Information			
Features	Good stripping		
	Compliance of Food Exposure		
	Medium molecular weight		
	Medium wide molecular weight distribution		
Uses	Films		
	Bags		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.15	g/10 min	ISO 1133
190°C/21.6 kg	16	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
secant modulus			ASTM D882
MD : 15 µm	1400	MPa	ASTM D882
TD : 15 µm	1700	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 15 µm	31.0	MPa	ASTM D882
TD: Yield, 15 µm	30.0	MPa	ASTM D882
MD: Break, 15 µm	55.0	MPa	ASTM D882
TD: Break, 15 µm	49.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 15 µm	400	%	ASTM D882
TD: Break, 15 µm	610	%	ASTM D882
Dart Drop Impact	180	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	4.0	g	ASTM D1922
TD	40	g	ASTM D1922

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ASTM D1525
Additional Information			
Properties determined on 15 µm blown film with a blow up ratio of 1:4.			
Extrusion	Nominal Value	Unit	
Melt Temperature	200 - 235	°C	

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