

SABIC® HDPE F00952

High Density Polyethylene Copolymer
Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® HDPE F00952 resin is a high molecular weight high density polyethylene copolymer which has been designed specifically for blown film extrusion. Its high molecular weight, broad molecular distribution and high density combine succesfully to give excellent extrudability with high film strength and rigidity. The material contains anti oxidant .

General Information			
Additive	Antioxidation		
Features	Rigidity, high		
	High molecular weight		
	High strength		
	Excellent printability		
	Antioxidation		
	Compliance of Food Exposure		
Uses	Medium wide molecular weight distribution		
	Films		
	Lining		
Forms	Bags		
	Particle		
	Blow film		
Processing Method			
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	0.050	g/10 min	ISO 1133
190°C/21.6 kg	9.0	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
secant modulus			ASTM D882
MD: 15 µm, blown film	1250	MPa	ASTM D882
TD: 15 µm, blown film	1500	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 15 µm, blown film	33.0	MPa	ASTM D882
TD: Yield, 15 µm, blown film	31.0	MPa	ASTM D882
MD: Broken, 15 µm, blown film	60.0	MPa	ASTM D882
TD: Broken, 15 µm, blown film	56.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 15 µm, blown film	400	%	ASTM D882

TD: Broken, 15 µm, blown film	550	%	ASTM D882
Dart Drop Impact (15 µm, Blown Film)	180	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 15 µm, blown film	12	g	ASTM D1922
TD: 15 µm, blown film	60	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	200 - 235	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

