SABIC® LDPE 2100TN30W

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

Description
SABIC® LDPE 2100TN30W is a grade with excellent toughness and outstanding biaxial shrink properties.The material contains Anti block, has a very low energy consumption during processing and has excellent draw down ability.
Application
SABIC® LDPE 2100TN30W is a heavy duty film grade suitable for applications like shrink hoods, industrial sacks, carrier bags and liners.

General Information			
Additive	Anti-caking agent (1500 ppm)		
Features	Ultra high toughness Anti-caking property Good stripping The smell is low to none The smell is low to none		
Uses	Films Lining Industrial application Heavy packing bag		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.921	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.33	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.40		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested [1]	50	µm	
Tensile Modulus			ISO 527-3
MD: 50 µm, blown film	190	MPa	ISO 527-3
TD: 50 µm, blown film	190	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 50 µm, blown film	11.0	MPa	ISO 527-3
TD: Yield, 50 µm, blown film	11.0	MPa	ISO 527-3
MD: 50 µm, blown film	28.0	MPa	ISO 527-3
TD: 50 µm, blown film	23.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 50 µm, blown film	> 200	%	ISO 527-3

TD: Broken, 50 µm, blown film	> 500	%	ISO 527-3
Impact	Nominal Value	Unit	Test Method
Impact Strength - Blown FIlm (50.0 µm)	300	J/cm	ASTM D4272
Blocking - Blown Film (50.0 µm)	20	g	Internal method
Re-blocking - Blown Film (50.0 µm)	10	g	Internal method
Tear Strength [2]			ISO 6383-2
MD : 50.0 µm	30.0	kN/m	ISO 6383-2
TD : 50.0 µm	30.0	kN/m	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Haze (50.0 µm, Blown Film)	18	%	ASTM D1003A
Additional Information	Nominal Value	Unit	Test Method
Films have been produced on Kiefel IBC film blown line at 200 kg/h. Die size 200 mm, die gap of 0.8 mm.			
NOTE			
1.	BUR 3		
2.	Blown Film		

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