SABIC® LDPE 2402H3W

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LDPE 2402H3W is a high gloss, general purpose grade with a high level of anti block and slip agent (E=erucamide).
This grade offers good optical properties and a very good draw down ability.
Application
SABIC® LDPE 2402H3W is typically used for thin high gloss films used for automatic packaging purposes.
SABIC® LDPE 2402H3W can typically be used for food applications due to very low migration levels.
This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information			
Additive	High caking resistance (800 ppm) Erucamide Lubricating Additive (600 ppm)		
Features	Low density Highlight High smoothness High caking resistance Optical Good stripping General Mobility Low to None		
Uses	Blown Film Packaging Non-specific food applications Highlight applications		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.924	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.20		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
Tensile Modulus			ISO 527-3
MD: 25 µm, blown film	190	MPa	ISO 527-3
TD: 25 µm, blown film	200	MPa	ISO 527-3
Tensile Stress			ISO 527-3

MD: Yield, 25 µm, blown film	12.0	MPa	ISO 527-3
TD: Yield, 25 µm, blown film	11.0	MPa	ISO 527-3
MD: Broken, 25 µm, blown film	28.0	MPa	ISO 527-3
TD: Broken, 25 µm, blown film	20.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 25 µm, blown film	> 200	%	ISO 527-3
TD: Broken, 25 µm, blown film	> 500	%	ISO 527-3
Impact	Nominal Value	Unit	Test Method
Impact Strength - Blown FIlm (25.0 µm)	200	J/cm	ASTM D4272
Blocking - Blown Film (25.0 µm)		g	Internal method
Re-blocking - Blown Film (25.0 µm)		g	Internal method
Tear Strength [1]			ISO 6383-2
MD : 25.0 µm	70.0	kN/m	ISO 6383-2
TD : 25.0 µm	35.0	kN/m	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	60		ASTM D2457
Haze (25.0 µm, Blown Film)	8.0	%	ASTM D1003A
Additional Information	Nominal Value	Unit	Test Method
Film properties have been measured at film of 25 µm with a BUR of 3.The film has been produced on Kiefel IBC blown film line with 200 kg/h. Die size 200 mm, die gap 0.8 mm.			
NOTE			
1.	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