SABIC® LDPE 2801H0W

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LDPE 2801H0W offers high production output with very good optical properties, as well as good stiffness toughness balance.
Application
SABIC® LDPE 2801H0W is typically used for high clarity collation shrink films, glossy automatic packaging printed films and deep freeze films.
SABIC® LDPE 2801H0W 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			
Features	Low density Highlight Optical Definition, high Mobility Low to None		
Uses	Blown Film Packaging Non-specific food applications Highlight applications Shrinkable film		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.928	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.55	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	1.0		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	30	µm	
Tensile Modulus			ISO 527-3
MD: 30 µm, blown film	290	MPa	ISO 527-3
TD: 30 µm, blown film	340	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 30 µm, blown film	13.0	MPa	ISO 527-3
TD: Yield, 30 µm, blown film	14.0	MPa	ISO 527-3
MD: Broken, 30 µm, blown film	21.0	MPa	ISO 527-3
TD: Broken, 30 µm, blown film	22.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 30 µm, blown film	> 200	%	ISO 527-3

TD: Broken, 30 µm, blown film	> 500	%	ISO 527-3
Impact	**Nominal Value**	**Unit**	**Test Method**
Impact Strength - Blown FIlm (30.0 µm)	250	J/cm	ASTM D4272
Blocking - Blown Film (30.0 µm)	10	g	Internal method
Re-blocking - Blown Film (30.0 µm)	30	g	Internal method
Tear Strength [1]			ISO 6383-2
MD : 30.0 µm	45.0	kN/m	ISO 6383-2
TD : 30.0 µm	35.0	kN/m	ISO 6383-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	106	°C	ISO 306/A
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 30.0 µm, Blown Film)	70		ASTM D2457
Haze (30.0 µm, Blown Film)	6.0	%	ASTM D1003A
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Film properties have been measured at 30 µm film with a BUR of 3.			
NOTE			
1.	Blown Film		

Recommended distributors for this material

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