SABIC® LDPE 2600H0

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LDPE 2600H0 is a grade with a low MFR and increased density. The material contains no additives. The films are characterized by very good mechanical properties.
Application
SABIC® LDPE 2600H0 is, due to its good thin film processability, typically used for technical applications like shrink film for mineral water packaging.
This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information			
Features	Low density Workability, good Low liquidity		
Uses	Blown Film Packaging Shrinkable film		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.926	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)	1.0		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-3
MD: 50 µm, blown film	220	MPa	ISO 527-3
TD: 50 µm, blown film	220	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 50 µm, blown film	12.0	MPa	ISO 527-3
TD: Yield, 50 µm, blown film	12.0	MPa	ISO 527-3
MD: Broken, 50 µm, blown film	28.0	MPa	ISO 527-3
TD: Broken, 50 µm, blown film	25.0	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)	250	J/cm	ASTM D4272
Blocking - Blown Film (50.0 µm)	20	g	Internal method
Re-blocking - Blown Film (50.0 µm)		g	Internal method

Tear Strength [1]			ISO 6383-2
MD : 50.0 µm	35.0	kN/m	ISO 6383-2
TD : 50.0 µm	45.0	kN/m	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	103	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	57		ASTM D2457
Haze (50.0 µm, Blown Film)	8.0	%	ASTM D1003A
Additional Information	Nominal Value	Unit	Test Method
Film properties have been measured at film of 50 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

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