

SABIC® LDPE 2602H0W

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LDPE 2602H0W is a grade with very good optical properties. The grade contains no additives, has an increased density and shows a good draw down ability. The films are characterized by good mechanical properties.

Application

SABIC® LDPE 2602H0W is typically used for applications where enhanced stiffness is required.

SABIC® LDPE 2602H0W 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		
	Rigid, good		
	Optical		
	Good stripping		
	Mobility Low to None		
Uses	Blown Film		
	Films		
	Non-specific food applications		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.9	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	> 1.0		ASTM D1894
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD	250	MPa	ISO 527-3
TD	260	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield	13.0	MPa	ISO 527-3
TD: Yield	13.0	MPa	ISO 527-3
MD: Fracture	30.0	MPa	ISO 527-3
TD: Fracture	20.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture	> 300	%	ISO 527-3
TD: Fracture	> 500	%	ISO 527-3
Impact	Nominal Value	Unit	Test Method

Impact Strength	150	J/cm	ASTM D4272
Blocking	10	g	Internal method
Re-blocking	30	g	Internal method
Tear Strength			ISO 6383-2
MD	90.0	kN/m	ISO 6383-2
TD	40.0	kN/m	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	70		ASTM D2457
Haze	6.0	%	ASTM D1003A

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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

