SABIC® LDPE 2102TN32

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LDPE 2102TN32 is a general purpose grade with a high level of anti block and slip agent (E=erucamide). This grade offers good optical properties and an excellent draw down ability.
SABIC® LDPE 2102TN32 is suitable for packaging films for food and industrial goods and for lamination films. This grade is especially suitable when ultimate down gauging is required. The usual melt-2 film thickness can be reduced by 10-40%, maintaining an adequate CoF level.

General Information			
Additive	Anti-caking agent (800 ppm) Sliding agent (600 ppm)		
Features	High smoothness High caking resistance Optical Foamable property Good stripping General		
Uses	Packaging Films Laminate Industrial application Foam Food packaging		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.921	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, Compression Molded)	45		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.20		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-3
MD: 25 µm, blown film	190	MPa	ISO 527-3
TD: 25 µm, blown film	190	MPa	ISO 527-3

Tensile Stress			ISO 527-3
MD: Yield, 25 µm, blown film	13.0	MPa	ISO 527-3
TD: Yield, 25 µm, blown film	11.0	MPa	ISO 527-3
MD: 25 µm, blown film	30.0	MPa	ISO 527-3
TD: 25 µm, blown film	18.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 25 µm, blown film	> 100	%	ISO 527-3
TD: Broken, 25 µm, blown film	> 500	%	ISO 527-3
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (25.0 µm, Blown Film)	12	%	ASTM D1003

Additional Information

25µm blown film processed with a blow up ratio of 3:1 and a die gap of 0.8 mm.Modulus of Elasticity, SABIC Method: 250 MPaMelting Point, SABIC Method, DSC: 108°CCrystallization Temperature, SABIC Method, DSC: 96°CAverage Heat of Fusion, SABIC Method, DSC: 108 J/gClarity, SABIC Method, Blown Film, 25µm: 30mVBlocking, SABIC Method, Blown Film: <5gRe-blocking, SABIC Method, Blown Film: 10gImpact Strength, ASTM D4272, 25µm, Blown Film: 20 kJ/mTear Strength, ISO 6383-2, 25µm, Blown Film, TD: 20 kN/mTear Strength, ISO 6383-2, 25µm, Blown Film, MD: 50 kN/m

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

WECHAT