

SABIC® LDPE 1905U0

Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LDPE 1905U0 is an Ultra Melt Strength (UMS) grade typically used in foam applications.

Application

SABIC® LDPE 1905U0 can be typically used for all types of foam, produced with chemical blowing agents or physical gases, X-linked and non X-linked.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information			
Features	Foamable		
	Good Melt Strength		
	Low Density		
Uses	Foam		
Processing Method	Foam Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	44		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	240	MPa	Internal Method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ISO 306/A
Melting Temperature (DSC)	105	°C	DIN 53765
Peak Crystallization Temperature (DSC)	94.0	°C	DIN 53765
Heat of Fusion	100	J/g	DIN 53765

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 1342475533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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