

Terralene® LL 1101

High Density Polyethylene + LLDPE

FKuR Kunststoff GmbH

Message:

Linear low density polyethylene, butene copolymer, blended with high-density polyethylene, contains processing additives. Suitable for blown film applications.

General Information			
Additive	Unspecified Additive		
Features	Butene Comonomer		
	Copolymer		
	Recyclable Material		
	Renewable Resource Content		
Uses	Film		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70 to 0.85	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	0.900 to 1.10	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	330	MPa	ISO 527-2
Tensile Stress (Yield)	11.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	23	%	
Break	> 300	%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested ¹	20	µm	
Tensile Modulus			ISO 527-3
MD : 20 µm	290	MPa	
TD : 20 µm	310	MPa	
Tensile Stress			ISO 527-3
MD : Yield, 20 µm	37.0	MPa	
TD : Yield, 20 µm	32.0	MPa	
MD : Break, 20 µm	36.0	MPa	
TD : Break, 20 µm	31.0	MPa	
Tensile Elongation			ISO 527-3
MD : Yield, 20 µm	680	%	

TD : Yield, 20 μm	690	%	
MD : Break, 20 μm	680	%	
TD : Break, 20 μm	690	%	
Elmendorf Tear Strength			ISO 6383-2
MD : 20.0 μm	50.0	kN/m	
TD : 20.0 μm	150.0	kN/m	
Spencer Impact (20.0 μm)	130.0	kN/m	ASTM D3420
Biobased Content - Carbon	90	%	ASTM D6866
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	130 to 145	°C	ISO 3146
NOTE			

1. BUR 2.4

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

