HIPTEN® 21018A6

Low Density Polyethylene

HIP-PetroHemija

Message:

HIPTEN® 21018A6 is low density polyethylene resin developed for production of thin blown film.

HIPTEN® 21018A6 has extraordinary optical properties and very good mechanical properties, good processability and heat sealability. The addition of slip and antiblock agents results in good sliding and antiblocking properties of produced film.

HIPTEN® 21018A6 has high clarity and is suitable for packaging for a wide variety of goods.

HIPTEN® 21018A6 has Health Certificate issued by Institute for Health Protection of Serbia. Also, has Statement of Conformity, which declares product's conformity with the European norms for materials intended to come into contact with foodstuffs. Statement of Conformity is issued by Institute for Public Health, Maribor, Slovenia.

General Information			
Additive	Anti-caking agent		
	slip agent		
Features	smoothness		
	Optical		
	Anti-caking property		
	Recyclable materials		
	Workability, good		
	Good heat sealability		
	Definition, high		
Uses	Packaging		
	Films		
	Bags		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16			
kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	10.0	MPa	ISO 527-2
Fracture	14.0	MPa	ISO 527-2
Tensile Strain (Break)	600	%	ISO 527-2

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	μm	
Tensile Strength			ISO 1184
TD: Yield, 40 μm	10.0	MPa	ISO 1184
MD: Break, 40 µm	23.0	MPa	ISO 1184
TD: Break, 40 µm	18.0	MPa	ISO 1184
Tensile Elongation			ISO 1184
MD: Break, 40 µm	500	%	ISO 1184
TD: Break, 40 µm	700	%	ISO 1184
Dart Drop Impact (40 µm)	120	g	ASTM D1709A
Elmendorf Tear Strength ¹			ASTM D1922
MD : 40.0 µm	135.1	kN/m	ASTM D1922
TD : 40.0 µm	173.7	kN/m	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ISO 306
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 180	°C	
Extrusion instructions			
Blow-up ratio: 2:1 to 3:1			
NOTE			
1.	Blown Film		

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Recommended distributors for this material

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