

HIPTEN® 22027 A6

Low Density Polyethylene

HIP-PetroHemija

Message:

HIPTEN® 22027A6 is low density polyethylene resin developed for film extrusion. It has good processability and draw down characteristics. Film obtained from this type has good optical and mechanical properties.
HIPTEN® 22027A6 contains slip and antiblock additives.

General Information			
Additive	Anti-caking agent		
	slip agent		
Features	smoothness		
	Optical		
	Anti-caking property		
	Workability, good		
	Good stripping		
Uses	Films		
	Bags		
	Shrinkable film		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.7	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	9.00	MPa	ISO 527-2
Fracture	12.0	MPa	ISO 527-2
Tensile Strain (Break)	600	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 1184
TD: Yield	11.0	MPa	ISO 1184
MD	20.0	MPa	ISO 1184
TD	18.0	MPa	ISO 1184

Tensile Elongation			ISO 1184
MD: Fracture	450	%	ISO 1184
TD: Fracture	600	%	ISO 1184
Dart Drop Impact ¹	80	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	250	g	ASTM D1922
TD	350	g	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.	F50		

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