

HIPTEN® 22006

Low Density Polyethylene

HIP-PetroHemija

Message:

HIPTEN® 22006 is low density polyethylene resin developed for production of shrink film and extrusion of flexible pipes.

Applications:

Production of shrink film, flexible pipes.

HIPTEN® 22006 has Health Certificate issued by Institute for Health Protection of Serbia.

General Information	
Features	Recyclable materials
	Good flexibility
Uses	Films
	Piping system
	Shrinkable film
Agency Ratings	EC 1907/2006 (REACH)
Forms	Particle
Processing Method	Film extrusion
	Pipeline extrusion molding

Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	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	16.0	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	11.0	MPa	ISO 1184
MD: Break, 40 µm	24.0	MPa	ISO 1184
TD: Break, 40 µm	22.0	MPa	ISO 1184
Tensile Elongation			ISO 1184
MD: Break, 40 µm	350	%	ISO 1184

TD: Break, 40 µm	600	%	ISO 1184
Dart Drop Impact (40 µm)	150	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	98.0	°C	ISO 306
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 200	°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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