

HIPTEN® 22007 A17

Low Density Polyethylene

HIP-PetroHemija

Message:

HIPTEN® 22007A17 is low density polyethylene resin developed for production of shrink film, carrier bags. HIPTEN® 22007A17 has outstanding mechanical properties, very good processability and homogeneous appearance and good heat welding.

General Information			
Features	Recyclable materials		
	Workability, good		
	Compliance of Food Exposure		
Uses	Films		
	Bags		
	Shrinkable film		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	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)	650	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
Tensile Stress			ISO 527-3
TD: Yield, 40 µm	11.0	MPa	ISO 527-3
MD: Break, 40 µm	24.0	MPa	ISO 527-3
TD: Break, 40 µm	22.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Fracture	350	%	ISO 527-3
TD: Fracture	600	%	ISO 527-3
Dart Drop Impact (40 µm)	150	g	ASTM D1709A
Elmendorf Tear Strength			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 to 3:1

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Recommended distributors for this material

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