

HIPTEN® 21010

Low Density Polyethylene

HIP-PetroHemija

Message:

HIPTEN® 21010 is low density polyethylene resin developed for injection moulding of small articles.
Production of injection moulding general-purpose articles and film extrusion for noncritical applications.
HIPTEN® 21010 has Health Certificate issued by Institute for Health Protection Serbia.

General Information			
Features	Recyclable materials		
	General		
Uses	Films		
	General		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Film extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	45		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
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ISO 306
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 - 200	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 220	°C	
Extrusion instructions			
Blow-up ratio: 2:1 to 3:1			

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Recommended distributors for this material

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