

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
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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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