HIPTEN® Low Density Polyethylene

PETROHEMIJA

		PROPERTIES										
		Melt flow rate (190°C/2,16 kg)	Density	Vicat softening point	Tensile strength at break	Tensile strength at yield	Elongation	Hardness	Dart drop F_{50}	Tear strength (Elmendorf)	Additives	Application
	Method	ISO 1133	ISO 1183	ISO 306	ISO 1184 (film)* ISO 527 (plaque)	ISO 1184 (film)* ISO 527 (plaque)	ISO 1184 (film)* ISO 527 (plaque)	ISO 868	ASTM D 1709	ASTM D 1922		
	Unit	g/10 min	kg/m^3	°C	MPa	MPa	%	Shore D	g	g		
FILM TYPES	**22003**	0,30	921	98	MD/TD 26/23 18	MD/TD -/11 10	MD/TD 400/650 700	46	180	MD/TD 350/500		heavy duty bags; agricultural films; shrink film
	22006	0,60	922	98	MD/TD 24/22 16	MD/TD -/11 10	MD/TD 350/600 600	46	160	MD/TD 350/450		shrink film; flexible pipe extrusion;
	22007 A17	0,70	922	98	MD/TD 24/22 16	MD/TD -/11 10	MD/TD 350/600 650	46	160	MD/TD 350/450	AO AB S	film for milk packaging; chrink film; carrier bags
	21018 A6	2,0	921	96	MD/TD 23/18 14	MD/TD -/10 10	MD/TD 500/700 600	46	110	MD/TD 350/450	AO AB S	general purpose film
	22020	2,0	921	96	MD/TD 20/19 12	MD/TD -/12 9	MD/TD 650/750 600	46	100	MD/TD 350/450		laminating
INJECTION MOULDING	**21010**	1.0	921	97	- 16	- 10	- 650	45				injection moulding of general purpose small articles; film extrusion for noncritical applications
	21015	1,5	921	96	- 14	- 10	- 600	44				injection moulding of general purpose articles;

The values given in this review are characteristics and are provided for guidance purposes only.

ADDITIVES : AO - antioxidant
AB - antiblock
S - slip agent

NOTES: *film thickness 38µm
blowup ratio 2,7:1
MD – machine direction
TD – transversal direction

All HIPTEN types have Healt Sertificate issued by Institute for Health Protection of Serbia.
Types 22003, 21018 A6, 22007 A17, 21018 A6, 21015 also have Statement of Conformity, which declares product's conformity with the European norms for materials intended to come into contact with foodstuffs.
Statement of Conformity is issued by Institute for Public Health, Maribor, Slovenia

LOW DENSITY POLYETHYLENE - HIPTEN®:

Producing in the HIP-Petrohemija with the licence from National Distillers Co (USA), and engineering by Foster Wheeler (USA).

STORAGE:

Polymer pellets are packed in LDPE bags, each bag weighs 25 kg. Bags are arranged on pallets and wrapped in stretch foil. One pallet has total polymer weight of 1250 kg.
Polyethylene is combustible material, therefore fire prevention measures in warehouses should be applied. Keep the polymer protected from harmful influences of heat, direct sunlight and high atmosferic humidity during storage.
If resin is stored under unfavourable conditions of large fluctuation in ambient temperature and atmospheric humidity, atmospheric moisture can condense inside the packaging. In such case, it is recommended to dry pellets before use.
The producer has no responsibility for any damage caused with the inappropriate storage.

REACH:

HIP-Petrohemija with applying the existing standards ISO 9001:2008 and ISO 14001:2004, follows completely the highest standards by which there are regulated human health and safety protection and environmental protection and herewith it expresses its intention to meet all the requirements which are prescribed by REACH regulation.
Pre-registration of all the substances of potential export interest has been made with European Agency for Chemicals in Helsinki, in accordance with the prescribed deadlines, therefore in this way it enables further undisturbed placement and sale of HIP-Petrohemija products without any limits at EU Market.
As the only representative for HIP-Petrohemija in EU, pursuant to Article 8 of REACH regulation, there has been designated ReachLaw Ltd., Helsinki, Finland**.**

RECYCLING:

Polyethylene is a material suitable for recycling.
The waste, that could appear during processing, should be kept clean before new usage through direct recycling.

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