HIP PETROHEMIJA

HIPTEN 22003

DESCRIPTION:

HIPTEN® 22003 is low density polyethylene resin developed for production of heavy-duty tubular film. HIPTEN® 22003 has outstanding mechanical properties, good optical properties and very good processability. Extruded films have good toughness, resistance to environmental stress cracking and homogeneous appearance.

PROCESSING RECOMMENDATIONS:

Processing temperature: 180-200°C
Blow-up ratio: 1,6–3 : 1

PROPERTIES:

PROPERTY	TEST METHOD	UNIT	VALUE
MELT FLOW RATE (190°C/2,16 kg)	SRPS EN ISO 1133 condition D	g/10 min	0,30
DENSITY	SRPS EN ISO 1183-2	kg/m^3	921
TENSILE STRENGTH AT BREAK	SRPS EN ISO 527-3 SRPS EN ISO 527-2	MPa	26/23** 18
TENSILE STRENGTH AT YIELD	SRPS EN ISO 527-3 SRPS EN ISO 527-2	MPa	-/11** 10
ELONGATION	SRPS EN ISO 527-3 SRPS EN ISO 527-2	%	400/650** 700
VICAT SOFTENING POINT	SRPS EN ISO 306	°C	98
HARDNESS	SRPS EN ISO 868	Shore D	46
DART DROP F50 (Method A)	ASTM D 1709	g	150*
TEAR STRENGTH (ELMENDORF)	ASTM D 1922	g /mil	350/500**

*Results obtained at 40 µm film sample, blow-up ratio 2,7: 1
** Results obtained on film sample in MD/TD direction
(MD – machine direction; TD – transversal direction)

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

APPLICATION:

Production of heavy-duty bags for packaging industrial products (fertilizers, solid chemicals, pellets etc.), heavy-duty shrink films, etc.

HIPTEN® 22003 has Health Certificate issued by Institute for Health Protection of Serbia. Also, it has *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.

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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“ a.d., Pancevo, Serbia, with applying the existing standards ISO 9001:2008, ISO 14001:2004 and OHSAS 18001: 2007, follows completely the highest standards by which there are regulated environmental protection, human health and safety protection and herewith it expresses its intention to meet all the requirements which are prescribed by REACH regulation.
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“ a.d. products without any limits at EU Market.
As the only representative for „HIP-Petrohemija“ a.d. 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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