

HIPTEN 21018 A6

DESCRIPTION:

HIPTEN[®] 21018 A6 is low density polyethylene resin developed for production of thin blown film.

HIPTEN[®] 21018 A6 has extraordinary optical properties and very good mechanical properties, good processability and heat sealability.

The addition of slip and antiblock agents results in good sliding and antiblocking properties of produced film.

PROCESSING RECOMMENDATIONS:

Processing temperature: 160-180°C

Blow-up ratio: 2–3 : 1

PROPERTIES:

| PROPERTY | TEST METHOD | UNIT | VALUE |
|------------------------------|--|-------------------|------------------|
| MELT FLOW RATE | SRPS EN ISO 1133-1 2,16/190°C | g/10 min | 2,0 |
| 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 | 23/18** 12 |
| TENSILE STRENGTH AT YIELD | SRPS EN ISO 527-3 SRPS EN ISO 527-2 | MPa | -/10** 9 |
| ELONGATION AT BREAK | SRPS EN ISO 527-3 SRPS EN ISO 527-2 | % | 300/500** 550 |
| VICAT SOFTENING POINT | SRPS EN ISO 306 | °C | 96 |
| SHORE D HARDNESS | SRPS EN ISO 868 | Shore D | 46 |
| DART DROP F50 (Method A) | ASTM D 1709 EN ISO 7765-1 | g | 120* |
| TEAR STRENGTH (ELMENDORF) | ASTM D 1922 | g /mil | 300/300** |

*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 general-purpose film, carrier bags, shopping bags etc. Film made from HIPTEN[®] 21018A6 has high clarity and is suitable for packaging for a wide variety of goods.

HIPTEN[®] 21018A6 has Health Certificate issued by Institute for Health Protection of Serbia and also 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 National Laboratory of Health, Environment and Foods, Maribor, Slovenia.

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 atmospheric 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, OHSAS 18001: 2007 and ISO 50001:2011, 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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