

## HIPLEX® HXM 50100

### DESCRIPTION:

**HIPLEX® HXM 50100**, copolymer of ethylene and hexene, extra high molecular weight and medium molecular weight distribution, is material with the best balance of stress cracking resistance, rigidity and melt strength. **HIPLEX® HXM 50100** has very good processability.

### PROCESSING RECOMMENDATIONS:

Processing temperature: 180 – 220 °C

### PROPERTIES:

PROPERTY	TEST METHOD	UNIT	NOMINAL VALUE
MELT FLOW RATE	EN ISO 1133-1 190°C / 21.6 kg	g/10 min	10
DENSITY	EN ISO 1183-2	kg/m <sup>3</sup>	950
TENSILE STRENGTH AT BREAK	EN ISO 527-2	MPa	30
TENSILE STRENGTH AT YIELD	EN ISO 527-2	MPa	26
ELONGATION AT BREAK	EN ISO 527-2	%	700
IZOD IMPACT STRENGTH	EN ISO 180	kJ/m <sup>2</sup>	14 no fracture
SHORE D HARDNESS	EN ISO 868	Shore D	64
ESC RESISTANCE , F <sub>50</sub>	EN ISO 22088-3 method B ASTM D 1693	h	> 500

SRPS – national standard

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

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## PETROHEMIJA

### **APPLICATION:**

**HIPLEX® HXM 50100** is recommended for medium and large blow moulding products. It is suitable for the manufacture of containers for transport and storage of different chemicals. It is especially suitable for packaging of food.

**HIPLEX® HXM 50100** has *Health Certificate* issued by Institute for Health Protection of Serbia.

### **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 with applying the existing ISO 9001, ISO 14001, ISO 45001 and ISO 50001, follows completely the highest standards by which there are regulated environmental protection and 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's 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.

### **CONTACT:**

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