HIP PETROHEMIJA

# HIPLEX® HHM 5502

***DESCRIPTION:***

**HIPLEX® HHM 5502,** copolymer of ethylene and hexene, with medium molecular weight and medium molecular weight distribution, is blow moulding grade for production of small and medium size containers.

**HIPLEX® HHM 5502** has good rigidity, hardness, impact strength, environmental stress cracking resistance, and excellent processability.

***PROCESSING RECOMMENDATIONS:***

Processing temperature: 170 - 205 $^{o}$C

***PROPERTIES:***

| PROPERTY | TEST METHOD | UNIT | NOMINAL VALUE |
|---|---|---|---|
| MELT FLOW RATE | SRPS ISO 1133 condition D (ISO 1133 190 $^{o}$C, 2.16 kg) | g/10 min | 0.35 |
| DENSITY | SRPS G.S2.510 method D (ISO 1183) | kg/m$^3$ | 955 |
| TENSILE STRENGTH AT BREAK | SRPS G.S2. 612 (ISO 527) | MPa | 28 |
| TENSILE STRENGTH AT YIELD | SRPS G.S2.612 (ISO 527) | MPa | 27 |
| ELONGATION AT BREAK | SRPS G.S2. 612 (ISO 527) | % | 800 |
| IZOD IMPACT STRENGTH | SRPS G.S2. 617 (ISO 180) | kJ/m$^2$ | 80 |
| SHORE D HARDNESS | SRPS/ISO 868 (ISO 868) | Shore D | 65 |
| VICAT SOFTENING POINT | SRPS/ISO 306 (ISO 306) | $^{o}$C | 127 |
| ESC RESISTANCE , $F_{50}$ | SRPS G.S2. 623 condition B (ASTM D 1693) | h | 40 |
| FLEXURAL MODULUS | SRPS G.S2. 614 (ISO 178) | MPa | 1230 |

*SRPS – national standard*

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

***APPLICATION:***

**HIPLEX® HHM 5502** is suitable for production of small and medium size containers for packaging of bleach, chemicals and most of detergents. It is not recommended for heavy-duty detergents.

**HIPLEX® HHM 5502** has *Health Certificate* issued by Institute for Health Protection of Serbia. Also, **HIPLEX® HHM 5502** 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.

HIPLEX

Acran Boğaziçi Kimya A.Ş.
Bahçeşehir 1. Kısım Mh. Bülbül Cd. No: 39 Başakşehir / İstanbul
info@acran.com.tr | www.acran.com.tr | + 90 212 659 94 37

HIP PETROHEMIJA

HIPLEX

***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 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“ 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.