

POLYMER SM

Polyethylene HDPE HHM 5502

DESCRIPTION:

HDPE 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.

HDPE HHM 5502 has good rigidity, hardness, impact strength, outstanding environmental stress cracking resistance and excellent processability.

PROCESSING RECOMMENDATIONS:

Processing temperature: 170-205 °C

PROPERTIES:

PROPERTY	TEST METHOD	UNIT	NOMINAL VALUE
MELT FLOW RATE	EN ISO 1133-1 190°C / 2.16 kg	g/10 min	0.35
DENSITY	EN ISO 1183-2	kg/m ³	955
TENSILE STRENGTH AT BREAK	EN ISO 527-2	MPa	28
TENSILE STRENGTH AT YIELD	EN ISO 527-2	MPa	27
ELONGATION AT BREAK	EN ISO 527-2	%	800
IZOD IMPACT STRENGTH	EN ISO 180	kJ/m ²	13
SHORE D HARDNESS	EN ISO 868	Shore D	65
ESC RESISTANCE , F ₅₀	EN ISO 22088-3 method B ASTM D 1693	h	40

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

APPLICATION:

HDPE 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.

HDPE HHM 5502 has Statement of Conformity, which declares product's conformity with the European norms for materials intended to come into contact with foodstuffs.

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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 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:

The applying of 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 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 products without any limits at EU Market.

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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