

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 °C

PROPERTIES:

PROPERTY	TEST METHOD	UNIT	NOMINAL VALUE
MELT FLOW RATE	SRPS ISO 1133 condition D (ISO 1133) 190 °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)	°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.