

Producer: Petro Hemija / Republic of Serbia

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.

Applications:

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.

Process: Processing temperature: 170 - 205 °C

PROPERTY	TEST METHOD	UNIT	NOMINAL VALUE
Melt Flow Index (190 °C, 2.16 kg)	SPRS ISO 1133 condition D (ISO 1133 190°,2.16kg)	g/10 min	0.35
Density	SPRS G.S2.510 method D (ISO 1183)	kg/cm ³	955
Tensile Strength at Break	SPRS G.S2.612 D (ISO 527)	MPa	28
Tensile Strength at Yield	SPRS G.S2.612 D (ISO 527)	MPa	27
Elongation At Break	SPRS G.S2.612 D (ISO 527)	%	800
Izod Impact Strength	SPRS G.S2.617 (ISO 180)	kJ/m ³	80
Shore D Hardness	SPRS/ISO 868 (ISO 868)	Shore D	65
Vicat Softening Point	SPRS/ISO 306 (ISO 306)	°C	127
ESC Resistance, F ₅₀	SPRS G.S2.623 condition B (ASTM D 1693)	h	40
Flexural Modulus	SPRS G.S2.614 (ISO178)	MPa	1230

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

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.