

DowSyn HB Polyisobutylene

Description

DowSyn HB-150 is high molecular weight polyisobutene from pure isobutene homopolymers with excellent air tightness, heat resistance, electrical insulation, ozone aging resistance. Between its protective barrier and adhesive properties, they can be widely used in sealant, adhesive, shock absorption and damping, insulating materials and other industries.

Typical performance :

Item	Unit	HB-150	HB-200	HB-300	HB-400
Appearance		Pass	Pass	Pass	Pass
Staudinger Index	cm ³ /g	346	487	497	600
Viscosity Average Molecular Weight	Mv*10 ⁴	172	292	300	400
Weight Average Molecular Weight	Mw*10 ⁴	202	257	295	320
Volatiles	wt%	0.16	0.12	0.22	0.23
Total Ash	wt%	0.03	0.02	0.03	0.03

Typical Properties are obtained with normal production and do not constitute as specification.

Application:

Adhesive: Combination with the medium-molecular-weight PIB or with natural rubber for the production of adhesives for pressure-sensitive products.

Building industry: For sealing membranes used to seal buildings from standing water

Rubber Industry Electrical industry Inorganic filler Mixtures with Waxes and Bitumen

Storage Life & Conditions

Three years from production date. Store below 35°C. Prevent exposure to sunlight.