

DowSyn® PB1300

Description

DowSyn® PB1300 is the low molecular polyisobutylene with water-white, hydrophobic and non-toxic. It has narrow molecular weight distribution and negligible sulfur content with chemically stable and resistant to oxidation by both light and moderate heat.

Characteristic

Water-White Color (transparent viscous liquid)
Non Odor & Non-Toxic & High Purity
Tacky
Hydrophobic & Inertness
Excellent Stability of Oxidant and UV Light
Superior Shear Stability

Excellent Electrical Insulating Properties
Great Water Repellency (very low moisture transmission rates)
Outstanding Lubricity & Permanently Non-Drying
Clean Decomposition & No Residue
Non-Staining Characteristics (non-corrosive)

Typical performance

Item	Unit	Typical	Test Method
Molecular Weight (Mn)	–	1,300	GPC
Kinetic Viscosity(100°C)	cSt	644	ASTM D445
Flash Point(COC)	°C	224	ASTM D92
Color(AHPA)	–	5	ASTM D1209
Pour Point	°C	0	ASTM D97
Loss on Heating	Wt-%	0.45	In House
Water	Wt-ppm	20	ASTM D6304
Acid Value	mg KOH/g	0.01	ASTM D974
Total Sulfur	Wt-ppm	1	ASTM D2785

Application

Lubricants

Two-Stroke Engine Oils, Compressor Oils,
Metal Working Fluids, Hydraulic Fluids, Gear Oils,
Grease, Wire Rope Protective

Adhesives

Pressure Sensitive Adhesives(PSA),
Hot-Melt Adhesives(HMA)
Water-Based Adhesives(Polybutene Emulsion)

Polymer(HIPS) / Rubber / Asphalt Modification
Rat/Fly Trapping component

Caulks & Sealants

Automotive Sealant, Window Sealant,
Tire Sealant(Puncture sealant)

Stretch Wrap/Silage Film (using PB Master Batch)

Food Additives & Personal Care - Gum Base, Cosmetics

Electrical Insulation

Cable Jelly Compound, Submarine Cable Insulating Oils
Cable Insulation Oils, Condenser & Capacitor