

Technical Data Sheet of Polybutene – 1300 Molecular Weight

Specifications:

Test Item	Unit	Test Method	Specification
Color	APHA	ASTM D1209	Max 50
Viscosity(100°C)	cSt	ASTM D445	605 ~ 665
Flash Point(COC)	°C	ASTM D92	Min 220
Flash Point(PM)	°C	ASTM D93B	Min 170
Acid Value	mgKOH/g	ASTM D974	Max 0.01
Water	Wt-ppm	ASTM D6304	Max 40
Total Sulfur	Wt-ppm	ASTM D2785	Max 1.0
Iron(Fe)	Wt-ppm	ASTM E394	Max 4.0

Properties:

- κ Water-White Color (transparent viscous liquid)
- κ Non Odour & Non-Toxic & High Purity
- κ Tacky
- κ Hydrophobic & Inertness
- κ Excellent Stability of Oxidant and UV Light
- κ Superior Shear Stability
- κ Excellent Electrical Insulating Properties
- κ Great Water Repellency (very low moisture transmission rates)
- κ Outstanding Lubricity & Permanently Non-Drying
- κ Clean Decomposition & No Residue
- κ Low Pour Points & Superior Viscosity Index(VI)
- κ Non-Staining Characteristics (non-corrosive)

Applications:

Lubricants:

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

Adhesives:

- Pressure Sensitive Adhesives (PASA), Hot Melt Adhesives (HMA)
- Water based Adhesives (Polybutene Emulsion)

Polymer (HIPS) / Rubber / Asphalt Modification

Rat / Fly Trapping component

Caulks & Sealants: Automotive Sealant, Window sealant, Tyre Sealant (Puncture sealant)

Stretch Wrap / Silage Film (using PB Master Batch)

Food Additives & Personal Care: Gum base (using Food grades; PB 1300F, PB 1400F), Cosmetics

Electrical Insulation:

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

Storage:

Keep container tightly closed in a cool, well-ventilated place.

Keep container tightly closed before use.

Avoid contact with incompatible materials.

Keep away from heat, sparks, open flames, source of ignition.

Suitable storage materials: mild steel/ carbon steel