

PB950

TECHNICAL DATA SHEET

SPECIFICATION & PROPERTIES

Test Item	Unit	Test Method	Specification	Typical Value
Appearance	-	Visual	Clear & Free of Foreign Matter	
Color (APHA)	Pt/Co	ASTM D1209	Max 50	10
Kinematic Viscosity (at 100°C)	cSt	ASTM D445	210 ~ 250	230
Molecular Weight (Mn)	-	GPC	900 ~ 1,000	950
Dispersity (Mw/Mn)	-	GPC	Record	1.7
Flash Point (COC)	°C	ASTM D92	Min 200	206
Specific Gravity (60/60°F)	-	ASTM D4052	Record	0.890
Acid Number	mg KOH/g	ASTM D664	Max 0.01	0.003
Loss on Heating	wt %	KS C2101	Record	0.3
Pour Point	°C	ASTM D6749	Record	-10
Water Content	wt ppm	ASTM D6869	Max 40	10
Properties (Not Part of Specification)				
Total Chlorine	wt ppm	ASTM D7359	-	< 100
Total Sulfur	wt ppm	ASTM D5453	-	< 1.0

* The above-listed typical values are provided for guidance only. The product specification and typical values listed herein are subject to change without notice.

APPLICATIONS

Lubricants

DL Chemical Polybutene has a high viscosity index(VI), thickening power, lubricity, excellent shear stability and the characteristic that no carbon residues remain after depolymerization. Based on these characteristics, DL Chemical Polybutene is used as a viscosity modifier (viscosity index improver), thickener and high viscosity base oil in the formulation of various finished lubricants such as two-stroke engine oils, automotive/industrial gear oils, hydraulic fluids, metalworking fluids, compressor oils and greases.

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APPLICATIONS

Adhesives & Sealants

DL Chemical Polybutene is widely used for various types of adhesives such as PSA (Pressure sensitive adhesive) for adhesive tape and HMA (Hot melt adhesive) for packaging or sanitary products (diapers). Used as a tackifier and plasticizer, it improves the properties and performance of adhesives.

DL Chemical Polybutene is used in various sealant formulations such as construction and automotive sealants. It imparts plasticity and tackiness and improves the properties of elastomers such as low-temperature fluidity.

Stretch Wrap Films

DL Chemical Polybutene is used as a tackifier for tackified LLDPE-based film which is mainly used for stretch wrap and silage wrap film. DL Chemical Polybutene is injected directly in liquid form in the film manufacturing process or used as a raw material for cling masterbatch.

Electrical Insulating Materials

DL Chemical which has excellent electrical insulation properties, is used in various electrical applications such as insulating oil and cable jelly compound.

Others

Polymer, Rubber and Asphalt Modifiers
Personal Care & Cosmetics, Fly & Rat Glue Traps, Gum Base

HEALTH AND SAFETY INFORMATION

The Information for all grades of DL Chemical Polybutene on health, safety and environmental characteristics, precautions and emergency procedures is contained in the Material Safety Data Sheet (MSDS/SDS). The user must fully understand the MSDS/SDS before handling, storing, and using DL Chemical Polybutene. When using the product, please observe the guidance given in the MSDS/SDS, such as product information and handling precautions.

SHELF LIFE

The quality assurance of DL Chemical Polybutene in drums is two years (Food Grade : one year) from the manufacturing date under the condition which is complied with the stated handling and storage practices on the Material Safety Data Sheet (MSDS/SDS) and unopened. For more information, please contact with our sales person.

The additional information about products and purchase are available on our website. <https://www.dlchemical.co.kr>

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