

LitheneActiV 50 is a liquid polybutadiene with very high content of 1,2 vinyl microstructure. It is a highly reactive polymer with low volatiles and odour. It is used as a reactive plasticiser in UV cured flexographic printing plates and as a reactive diluent in solvent based coating systems.

For further information regarding this product please refer to:

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TYPICAL APPLICATIONS

Reactive plasticiser for flexographic printing plates

Automotive semi structural adhesives

Reactive diluent in solvent based coating systems

LitheneActiV 50 is despatched from our UK production plant.

Property	Typical Value	Unit	Method ¹
Vinyl 1,2	70 - 80	%	LTM 03
Viscosity, @ 25 °C	30 - 65	dPa.s	LTM 01
Non volatile content	>98.0	%	LTM 51
Colour	200 max	Hazen	LTM 04
Typical molecular weight Mn	900	Da	
Molecular weight distribution	Broad		
Appearance	Colourless to pale yellow liquid		

¹ internal method based upon the specified norm

Application Advice

Handling - LitheneActiV 50 is a viscous liquid polymer. The viscosity of the product will decrease rapidly with increased temperature and the product may be warmed to allow easier processing. Compatibility - Liquid polybutadienes are generally compatible with most aliphatic and aromatic hydrocarbon solvents. They have limited solubility in alcohols, ketones and esters. Further details are available on request.

LitheneActiV 50 is a highly reactive liquid polymer with >70% 1,2 vinyl micro structure which achieves extremely high cross link densities when cured. LitheneActiV 50 has a sufficiently low viscosity to allow easy processing and can be used as a reactive plasticiser in the formulation of rubber based flexographic printing plates. It can also be readily formulated into sulphur based automotive sealants and adhesives cured at 160 - 200°C to give a strong but flexible bond. LitheneActiV 50 is compatible with long oil alkyd resins and can act as a reactive diluent replacing part of the solvent and enhancing key functional properties of the coating resin.

Further applications advice is available on request.

Shipping and Storage

LitheneActiV 50 should be stored in cool, dry conditions below +30°C (+86°F). If stored in the original sealed packaging the product has a shelf life of at least 12 months from date of delivery. Product which has been stored for longer than 12 months should be tested before use. Containers which have been opened should be purged with dry nitrogen before resealing to protect the remaining product from oxidative skinning. Further information is available on the datasheet Storage of Lithene Liquid Polybutadienes. LitheneActiV 50 is packed in bung top 200 litre steel drums containing 175kg. The minimum order quantity is one pallet (four drums). 900kg IBC's are available on request.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.