LitheneActiV 1000 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 designed for use as a highly effective Type II coagent in peroxide or sulphur cured elastomers where it allows better mixing and enhanced physical cured thermoset properties.

**TYPICAL APPLICATIONS**

- Automotive sulphur or peroxide cured sealants & adhesives
- Coagent in sulphur or peroxide cured rubbers and elastomers

LitheneActiV 1000 is despatched from our UK production plant.

**Property** | **Typical Value** | **Unit** | **Method**
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Vinyl 1,2 | 70 - 80 | % | LTM 03
Viscosity, @ 25 °C | 850 - 1300 | dPa.s | LTM 01
Non volatile content | >98.0 | % | LTM 51
Colour | 200 max | Hazen | LTM 04
Typical molecular weight Mn | 3000 | Da |
Molecular weight distribution | Broad |
Appearance | Colourless to pale yellow liquid |

1 internal method based upon the specified norm

**Application Advice**

Handling - LitheneActiV 1000 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.

LitheneActiV 1000 is a highly reactive liquid polymer with >70% 1,2 vinyl microstructure which achieves extremely high cross link densities when cured. LitheneActiV 1000 acts as a type II coagent in elastomer systems such as EPDM and HNBR rubbers. It improves processing, is non extractable once cured and provides enhanced physical properties to the vulcanizate.

LitheneActiV 1000 may also be used as the base for peroxide or sulphur cure automotive sealants. Further applications advice is available on request.

**Shipping and Storage**

LitheneActiV 1000 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 1000 is packed in bung top 200 litre steel drums containing 175kg. The minimum order quantity is one pallet (four drums).

**Product Safety**

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

For further information regarding this product please refer to:

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