

Product Information

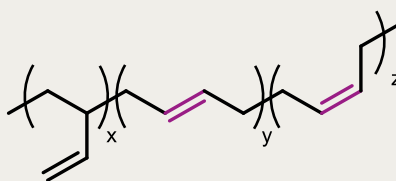
POLYVEST® 130 S

NON-FUNCTIONALIZED LIQUID POLYBUTADIENE

PRODUCT DESCRIPTION

POLYVEST® 130 S is a stereospecific, low viscous and unsaponifiable liquid polybutadiene with a high content of 1,4-cis double bonds having the following composition:

1,2-vinyl (x):	approx. 1%
1,4-trans (y):	approx. 22%
1,4-cis (z):	approx. 77%



Specification

Property	Unit	Value
Viscosity @ 20°C DIN EN ISO 3219	mPa • s	2,700 – 3,300
Acid number DIN EN ISO 2114	mg KOH/g	≤ 0.3
Peroxide number DGF-method: C-VI-6a (84)	mval/kg	≤ 10

Typical Properties

Property	Unit	Value
Mean molar mass, M_n GPC* (polystyrene standard)	g/mol	approx. 4,600
Density @ 20°C DIN ISO 2811-1	g/cm ³	0.90 – 0.92
Iodine number DIN 53 241	g I/100 g	approx. 420 – 480
Gardner color DIN EN ISO 4630		≤ 4
Flash point DIN EN ISO 2719	°C	approx. 200
Ignition temperature DIN 51 794	°C	approx. 350
Pour point DIN ISO 3016	°C	approx. -50

*GPC: Gel Permeation Chromatography

TYPICAL APPLICATIONS

In this form POLYVEST® 130 S is used in rubber compounds.

We are pleased to send guideline formulations.

BENEFITS & ADVANTAGES

Due to its high content of 1,4-cis double bonds the apolar, hydrophobic hydrocarbon resin POLYVEST® 130 S is a highly reactive binder featuring the following characteristics:

- high chemical resistance
- high water resistance
- high electrical insulation properties
- high cold resistance
- good solubility in aliphatics, aromatics and ethers
- good compatibility with hydrocarbon resins, rosin resins and zinc resonates

HANDLING & PROCESSING

POLYVEST® 130 S reacts with atmospheric oxygen to form peroxides and cross-linking and is therefore packed and delivered under a blanket of inert gas (nitrogen). During handling care has to be taken to exclude atmospheric oxygen as much as possible from the product. Opened containers should be blanketed with inert gas again and closed tightly.

We are pleased to send our current Material Safety Data Sheet.

PACKAGING

Delivery in IBC (content 900 kg)

STORAGE

POLYVEST® 130 S is stable for at least 24 months with exclusion from air, light and moisture at storage temperatures below 25°C.

SHELF LIFE

2 years

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. The performance of the product described herein should be verified by testing, which should be conducted only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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