

## Butadiene Rubber - BR

### CHARACTERISTICS

SYNTECA® 44 is a grade of butadiene rubber. It is produced by a technology of polymerization in solution, based on neodymium catalyst. Contains approximately 97% of cis structure. Does not contain any extender oil and is stabilized by non-staining antioxidant.

### GENERAL REQUIREMENTS

Bales of synthetic rubber SYNTECA® 44 should be close to dimensions 720x360x180 mm. Presence of any mechanical impurities is not permitted.

### TECHNICAL PARAMETERS

#### RUBBER TECHNICAL PARAMETERS

Parameters	Units	Values	Test methods
Mooney viscosity ML 1+4 (100 °C) – unmassed sample	ML	39 ÷ 49	ISO 289
Volatile matters	% wt.	max. 0,8	ISO 248
Total ash	% wt.	max. 0,7	ISO 247
Cis structure content	%	min. 96	ISO 12965

Guaranteed values of relevant technical parameters of the product are each time agreed upon in the sales contract. The certificate of analysis containing data on properties of the finished product is issued for each shipping lot/delivery. Scope of the testing which is covered by the quality certificate is each time agreed upon in the sales contract.

### PACKAGING

SYNTECA® 44 is supplied in a form of rubber bales weighing 33 kg ( $\pm 0.5$  kg). Each bale is wrapped in PE film, which is an integral part of the product and on which labeling relating to the respective rubber grade is present.

The bales are laid into returnable metal boxes. Net weight of each complete box is max. 1200 kg. Alternatively it is possible to supply product in wooden boxes, net weight of each complete box is about 1000 kg. In case of wooden 1000 kg boxes, storage of the product in two (2) or more layers (stacking) is not permitted.

Each pallet bears a self-adhesive label on which manufacturer's name, product name and grade, production lot number, net and gross weight, production date and labeling required by relevant regulations (if needed) are given.

### TRANSPORTATION

SYNTECA® 44 is typically transported in covered road trucks, in covered railway carriages and in standard shipping containers.

SYNTECA® 44 is not a dangerous material to transport.

### STORAGE

Product should be stored in sheltered conditions away from direct sun light, at least 2 meters away from radiant heating elements and the temperature should not exceed 30°C. The guaranteed shelf life for SYNTECA® 44 under the above-mentioned conditions is twelve (12) months from the date of production.

## APPLICATION

SYNTECA® 44 is appropriate for rubber compounds used in the production of a car and truck tires, as well as various technical rubber articles. Due to its low polydispersity and glass transition temperature, it is preferred for compounds for low rolling resistance tires.

SYNTECA® 44 does not contain any components excluding its usage from production of articles intended to come into contact with foodstuffs. The hygienic properties of the final vulcanizate are the responsibility of the manufacturer of this final vulcanizate.

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*This document is of an informative character. The information given herein is based on the present state of our knowledge and experience. It makes neither product properties nor qualitative parameters guarantee and cannot be used as a basis of any claims. The information provided cannot be used for any mixtures with any other substances. Product should be transported, stored and used in accordance with valid regulations and good occupational hygiene practice.*

*Making use of the information as well as product application is beyond the producer control and determination of the safe conditions of use is the sole responsibility of a customer.*



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