



Technical Data Sheet

Europrene®

BR

Neocis BR X 61⁽¹⁾EP

Butadiene Rubber

⁽¹⁾Experimental grade

Europrene® Neocis BR X 61 EP is a solution high cis polybutadiene produced with an organometallic neodymium catalyst. A non-staining TNPP free antioxidant is added during the production process.

Main Properties	Test Method	Unit	Typical Value
Mooney Viscosity ML 1+4(100 °C)	ASTM D 1646	MU	60
Cis Content	Internal Method	% wt	97 min
Volatile matter	ASTM D 5668	% wt	0.75 max
Ash	ASTM D 5667	% wt	0.5 max

The product is free from any nitrosating agent and is essentially free from pre-formed nitrosamines and nitrosable substances.

Key Features

Europrene® Neocis BR X 61 EP is an elastomer characterized by an excellent resistance to abrasion, high resilience/ rebound, good resistance to fatigue cracking and crack growth. Its low glass transition temperature provides enhanced low temperature performance compared to that of other general purpose rubbers. Europrene® Neocis BR X 61 EP exhibits improved mechanical and elastic properties compared to Europrene® Neocis BR X 45 EP; nevertheless, a loss of processability should be considered.

Main Applications

Tyre tread and sidewall, conveyor belts, technical goods, hoses, golf balls.

Physical Form

White/amber bales wrapped in easily dispersible polyethylene film.

Packaging

Wooden crate, nominal net weight 1050 kg; 35 kg bale, 30 bales per crate (1530 x 1145 x H1090 mm).
Returnable metal crate, nominal net weight 1260 kg; 35 kg bale, 36 bales per crate (1465 x 1150 x H1123 mm).

Storage Conditions

Store in a vented, dry area at temperatures between 20°C and 30°C; with no direct sunlight.
Shelf life: 18 months minimum.

Please consult the relevant safety data sheet for more detailed information.

The information and data presented herein are to the best of our knowledge true and accurate, but no warranty or guarantee, expressed or implied, is made nor is any liability accepted with respect to the use of such information data.

® Registered Trademark

October 2022

technicalmanagement@versalis.eni.com | www.versalis.eni.com