



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.

