

## SE PB 5800-SCHKOPAU

# LOW-CIS BUTADIENE RUBBER (BR)

### Composition

SE PB 5800-Schkopau is a low-cis butadiene synthetic rubber. It is produced by anionic solution polymerization adjusted for a high level of linearity. SE PB 5800-Schkopau is translucent to white in appearance and contains a non-staining stabilizer which complies with compositional requirements of the food packaging regulations of European countries and the USA (Trinseo may be consulted regarding applicable regulations).

### Application

SE PB 5800-Schkopau is used to manufacture High-Impact Polystyrene or ABS, supporting grafting processes with its content of reactive vinyl-groups.

### Packaging

- SE PB 5800-Schkopau is supplied in bales of 30 kg nominal weight.
- Bales are wrapped in 70 micron polystyrene film.
- One box contains thirty two bales (nominal 960 kg)

### Specification sheet

Raw material specification sheets are available from Trinseo or your local supplier on request.

### Handling precautions

- SE PB 5800-Schkopau has to be kept away from sources of ignition.
- Reference must be made to the Safety Data Sheet for this product.
- The precautions advised in the Safety Data Sheet should be strictly observed.

### Storage

SE PB 5800-Schkopau should be stored in an adequately ventilated area where it will not be subjected to sunlight or temperatures in excess of 30°C. Under these conditions SE PB 5800-Schkopau has a shelf life of at least 12 months.

## CHARACTERISTIC PROPERTIES OF SE PB 5800-SCHKOPAU

### Chemical and Physical Data

Property	Test Method	Unit	Value
<b>Mooney viscosity<sup>(1)</sup></b>	ASTM D 1646	MU	51.0
<b>Solution viscosity<sup>(2)</sup></b>	ASTM D 445	mPa·s	171.0
<b>Cis-1,4 content</b>	SM <sup>(3)</sup> (FTIR)	%	37.0
<b>Vinyl content</b>	SM <sup>(3)</sup> (FTIR)	%	12.0
<b>Volatile matter<sup>(4)</sup></b>	ASTM D 5668	% mass	0.2
<b>Total ash</b>	ASTM D 5667	% mass	0.02
<b>Gel rating</b>	SM <sup>(3)</sup>	-	1.0-2.0
<b>Colour</b>	SM <sup>(3)</sup>	APHA	3.0

(1) ML 1+4 (100 °C)    (2) 5 % mass in styrene solution at 25 °C    (3) Supplier Method    (4) 1 h at 105 °C in a hot air oven, amount 5 g

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