

## SE PB-5800 - Schkopau

### Low-cis Polybutadiene Rubber

#### Composition

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

#### Application

SE PB-5800 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 Styron 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
Mooney viscosity <sup>(1)</sup>	ASTM D 1646	MU	51
Solution viscosity <sup>(2)</sup>	ASTM D 445	mPa·s	175
Cis-1,4 content	SM <sup>(3)</sup> (FTIR)	%	37
Vinyl content	SM <sup>(3)</sup> (FTIR)	%	12
Volatile matter <sup>(4)</sup>	ASTM D 5668	% mass	0.3
Total ash	ASTM D 5667	% mass	0.05
Gel rating	SM <sup>(3)</sup>	-	1-2
Colour	SM <sup>(3)</sup>	APHA	5

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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