



Technical Data Sheet

Intene®
BR

50 AF BCA
Butadiene Rubber Bio-Circular Attributed



Intene® 50 AF BCA is a solution polymerized low cis polybutadiene produced using an alkyl lithium catalyst. A TNPP free, food contact approved, non-staining antioxidant is added during the production process.

Sustainability

Bio raw materials can be used in production processes together with traditional raw materials. In order to attribute sustainability characteristics to the final product, Versalis applies the **Mass Balance** approach, an acknowledged methodology that ensures that the sustainability characteristics of the alternative raw material, mixed with traditional naphtha, correspond to those of the final product. BCA products are provided with a **sustainability declaration** indicating the amount of Bio-Circular Attributed component. They guarantee identical performance, quality and properties, as they do not differ in chemical composition and physical-mechanical performance from standard products.

Main Properties	Test Method	Unit	Typical Value
Solution Viscosity	ASTM D 445	cP	170 ⁽¹⁾
Cis - 1,4 Content	Internal Method	% wt	38
Gel rating	Internal Method		5 max
Colour	ASTM E 308		5
Volatile Matter	ASTM D 5668	% wt	0.75 max
Ash	ASTM D 5667	% wt	0.10 max

⁽¹⁾ 5% wt/wt in Styrene at 25°C

Key Features

Low cis BR is the polybutadiene of choice to produce high impact Polystyrene (HIPS). The solution viscosity typical value of 170 cP is preferred by most users.

Main Applications

Impact improver to be used in polystyrene and ABS manufacturing.

Physical Form

White to cream colored bales wrapped in styrene soluble film.

Packaging

Returnable metal crate, nominal net weight 1190 kg; 33 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: 12 months minimum.

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

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