



## Technical Data Sheet

**Intene®**  
BR

**40 AF BA**  
Butadiene Rubber Bio Attributed



Intene® 40 AF BA 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. BA products are provided with a **sustainability declaration** indicating the amount of Bio 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   | 100 <sup>(1)</sup> |
| 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 | 0.05 max           |

<sup>(1)</sup> 5% wt/wt in Styrene at 25°C

### Key Features

Low cis BR is the polybutadiene of choice to produce high impact Polystyrene (HIPS). It is particularly suited to HIPS processes where a lower solution viscosity is required.

### 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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