



versalis

Technical Data Sheet

INTENE[®]
BR

50 AF
Butadiene Rubber

Intene[®] 50 AF is a solution polymerized low cis polybutadienes produced using an alkyl lithium catalyst at the Grangemouth production facility in Scotland, UK.
A TNPP/BHT free, food contact approved, non-staining antioxidant is added during the production process.

Main Properties	Test Method	Unit	Typical Value
Solution Viscosity	Internal Method	cP	170 ⁽¹⁾
Cis - 1:4 Content	Internal Method	%	38
Gel Rating	Internal Method		5 ⁽¹⁾ max
Colour	Internal Method		5 ⁽¹⁾
Volatile matter	ASTM D 5668	%	0.75 max
Ash	ASTM D 5667	%	0.05 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

Water white to pale amber coloured bales wrapped in a 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; no direct sunlight.
Shelf life: 12 months minimum.

