



versalis

Technical Data Sheet

INTENE[®]
BR

40 AF
Butadiene Rubber

Intene[®] 40 AF is a solution polymerized low cis polybutadiene 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	100 ⁽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).
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

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.

