



versalis

## Technical Data Sheet

**INTENE<sup>®</sup>**  
BR

**50**  
Butadiene Rubber

Intene<sup>®</sup> 50 is a solution polymerized low cis polybutadiene produced using an alkyl lithium catalyst at the Grangemouth production facility in Scotland, UK.  
A non-staining antioxidant is added during the production process.

Main Properties	Test Method	Unit	Typical Value
Mooney Viscosity ML 1+4(100 °C) unmassed	ASTM D 1646	MU	48
Cis - 1:4 Content	Internal Method	%	38
Volatile matter	ASTM D 5668	% wt	0.75 max
Ash	ASTM D 5667	% wt	0.1 max

### Key Features

Intene<sup>®</sup> 50 is an elastomer characterised by an excellent resistance to abrasion, high resilience /rebound, good resistance to fatigue cracking and crack growth.

Its low glass transition temperature provides good low temperature performance.

Intene<sup>®</sup> 50 reduces reversion in NR compounds, allowing higher temperature to be adopted.

It exhibits low BIT times and can also accept higher loadings of carbon black.

### Main Applications

Tyres, belting, moulded and extruded articles.

### Physical Form

Water-white to pale amber coloured bales wrapped in easily dispersible polyethylene 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.

