

## Braskem Isoprene

### Description:

Braskem's Isoprene features high purity and is ideal for use in the specialty rubbers segment for healthcare applications, and also in adhesive and compound formulations.

**Chemical Family:** Hydrocarbons

### Applications:

Hydrocarbon Resins (Adhesive / Ink / Rubber), SIS (Special Rubber / Pressure-Sensitive Adhesive), IR / IIR (Rubber/Automotive)

### Specification

Feature	Method	Units	Values
Purity	Internal	% wt	99.5 min.
Dimers	Internal	% wt	0.1 max.
Acetylenes (1)	Internal	ppm wt	10.0 max.
Carbonyl content	ASTM D-4423	ppm wt	10.0 max.
Alpha + Beta Olefins (2)	Internal	% wt	0.5 max.
Cyclopentadiene	Internal	ppm wt	0.5 max.
Sulfur	ASTM D-5453	ppm wt	5.0 max.
Halogens	ASTM D-5808	ppm wt	10.0 max.
Peroxides	ASTM E-298	ppm wt	1.0 max.
Water	ASTM E-203	ppm wt	500 max.
Alcohols (3)	Internal	ppm wt	10.0 max.
Allenes (4)	Internal	ppm wt	10.0 max.
TBC	ASTM D-1157	ppm wt	100 - 150
Acetonitrile	Internal	ppm wt	5.0 max.
Pentadiene-1.4	Internal	ppm wt	10.0 max.
Piperylenes (5)	Internal	ppm wt	10.0 max.

OBS.:

(1) Acetylenes = Butino-2, 2-Methyl-Buten-1-yne-3;

(2) Alpha + Beta Olefins = 3-Methyl-Butene-1 + 2-Methyl-Butene-1 + 3-Pentene-1 + Cis-Pentene-2 + 2-Methyl-Butene-2 + Pentene-1;

(3) Alcohols = Terc-Butanol, i-Propanol, n-Propanol, Allyl Alcohol;

(4) Alenes = Pentadiene-1,2 + 3-Methyl-Butadiene-1,2;

(5) Piperylenes = Trans + Cis-Pentadiene-1,3.

Shelf Life: undetermined since the product is kept at appropriate storage conditions as described in the SDS.

### Legal Statement

- For safety, handling, personal protection, first aid and waste disposal information, refer to the SDS - Safety Data Sheet.
- For any doubt concerning material handling or application, please contact the Technical Services area.
- The properties and values contained in the quality certificate must be considered as a guarantee of the product. For typical values, when provided, the information is given in good faith and obtained in our laboratories, and should not be considered as absolute or as a guarantee.
- This document may not be distributed, displayed, copied or altered without prior written permission of Braskem SA. To the extent Braskem SA authorizes the distribution, display, and / or copying of this document, you may do so only if the document is unaltered and complete, including all headers, footers, disclaimers, and other information.