

## TECHNICAL DATA SHEET

# SARBIO 5102

## Isobornyl Acrylate

### DESCRIPTION

SARBIO 5102 is an excellent reactive diluent for oligomers. The chemistry produces polymers through free radical curing that have a high glass transition temperature.

### SHELF LIFE

Store in the original, closed container in a dry, cool (<38°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is **6** months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided. Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers

### STORAGE

See SDS for Storage Considerations

### LIQUID PROPERTIES

Appearance	Clear liquid
Biorenewable Content (%) by ASTM D6866	75
Functionality	1
Density at 25°C (g/mL)	0.9899
Molecular Weight (g/mol)	208
Refractive Index at 25°C	1.4738
Surface Tension at 20°C (mN/m)	32
Viscosity at 25°C (mPa.s or cPs)	10

### CURED PROPERTIES

Tg (°C), by DSC	95
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### PRODUCT PERFORMANCE

ABS/PC Adhesion  
Abrasion Resistance  
Chemical Resistance  
Corrosion Resistance  
Flexibility  
Hardness  
Metal Adhesion  
Moisture Resistance  
PE/PET/PP/PMMA Adhesion  
PVC/PS Adhesion  
Pigment Wetting  
Scratch Resistance  
Shrinkage  
Stain Resistance  
Weatherability  
Wood Adhesion

### SPECIAL FEATURE

Adhesion promoter

**Arkema Inc**  
502 Thomas Jones Way  
Exton, PA 19341 – AMERICA  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)

**Arkema France**  
420, rue d'Estienne d'Orves  
92705 Colombes Cedex  
France  
[www.Sartomer.arkema.com](http://www.Sartomer.arkema.com)

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### HEALTH AND SAFETY

See SDS for Health & Safety Considerations

### SUGGESTED APPLICATIONS

3D printing  
Adhesives & sealants  
Conformal coatings  
Electrical potting & encapsulation  
Electronics  
Flexographic inks  
Inkjet inks  
Metal coatings  
Offset inks  
Optical fibers  
Overprint varnishes  
Polymer synthesis  
Rubber manufacturing  
Screen inks  
Wood coatings

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