

TECHNICAL DATA SHEET

SARBIO 5102

Isobornyl Acrylate

DESCRIPTION

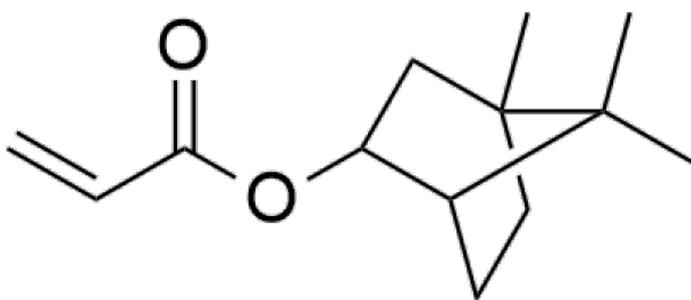
SARBIO® 5102 is an excellent reactive diluent for oligomers. The chemistry produces polymers through free radical curing that have a high glass transition temperature.



Biobased feedstock



Superior weathering performance



LIQUID PROPERTIES

Appearance	Clear liquid
Total Bio content (%)	75
Viscosity at 25°C (mPa.s or cPs)	10
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
Functionality	1

CURED PROPERTIES

Tg (°C), by DSC	95
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PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Adhesion promoter

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

SHELF LIFE

Store in the original, closed container in a dry, cool (<45°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

HEALTH AND SAFETY

See SDS for Health & Safety Considerations

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