

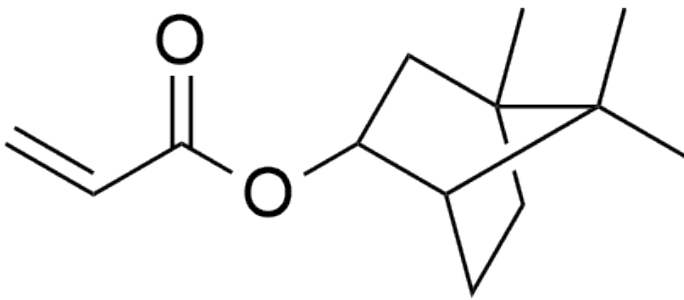
TECHNICAL DATA SHEET

SR506

Isobornyl Acrylate

DESCRIPTION

SR506 is an excellent reactive diluent for oligomers. The cyclic group produces polymers through free radical curing that have a high glass transition temperature.



LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	1
Color (Pt/Co or APHA)	<50
Density at 25°C (g/mL)	0.9899
Refractive Index at 25°C	1.4738
Surface Tension at 20°C (mN/m)	32
Viscosity at 25°C (mPa.s or cPs)	8
Molecular Weight (g/mol)	208

CURED PROPERTIES

Tg (°C), by DSC	95
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PRODUCT PERFORMANCE

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