

TECHNICAL DATA SHEET

SARBIO® 7107 US

Epoxidized Soy Bean Oil Acrylate

DESCRIPTION

SARBIO® 7107 is a pentafunctional, acrylated vegetable oil oligomer that offers pigment wetting characteristics and produces flexible, well-adhering cured films.



Biobased feedstock



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

LIQUID PROPERTIES

Appearance	Clear liquid
Total Bio content (%)	85
Viscosity at 25°C (mPa.s or cPs)	26000
Density at 25°C (g/mL)	1.0481
Refractive Index at 25°C	1.479
Functionality	5
Color (Gd)	4

CURED PROPERTIES

Tg (°C), by DSC	30
Young Modulus (MPa)	48
Elongation at break (%)	13
Tensile Strength (MPa)	6

PRODUCT PERFORMANCE

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

SUGGESTED APPLICATIONS

3D printing
Adhesives & sealants
Conformal coatings
Electronics
Flexographic inks
Inkjet inks
Metal coatings
Offset inks
Overprint varnishes
Screen inks
Wood coatings

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80
www.Sartomer.arkema.com