

TECHNICAL DATA SHEET

SARBIO 7106

Acrylated Linseed Oil Oligomer

DESCRIPTION

SARBIO® 7106 is an acrylated vegetable oil oligomer developed for energy-curable ink and pigmented coating systems. It imparts hydrophobicity, good flow, and pigment dispersability to litho or offset inks.



Biobased feedstock



LIQUID PROPERTIES

Appearance	Clear liquid
Total Bio content (%)	88
Density at 25°C (g/mL)	1.0862
Refractive Index at 25°C	1.4844
Functionality	2
Color (Gd)	6

CURED PROPERTIES

Tg (°C), by DSC	-10
Young Modulus (MPa)	130
Elongation at break (%)	13
Tensile Strength (MPa)	8

PRODUCT PERFORMANCE

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

SPECIAL FEATURE

Hydrophobic

SUGGESTED APPLICATIONS

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