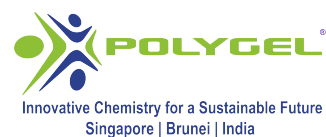


TECHNICAL DATA SHEET

Polygel Product Management

Email: info@polygelbrunei.com



Silver Conductive Paste

Product number Silver-2021-PAS
Chemical symbol Ag **Molecular Weight** 107.87 g/mol

Typical Properties: Product Specifications

Sr. No.	Specification / Test	Unit	Standard Value
1	Appearance	-	Off-white to dark beige paste
2	ICP Major Analysis	-	Confirms silver component
3	Solid content	wt%	75 min.
4	Brookfield viscosity	cps	100,000 – 300,000 @ 0.4 rpm
5	Curing temperature	°C	120 - 150°C @ 30 – 60 mins
6	Particle size	nm	200 nm (80%) < 5 nm (20%)
7	Resistivity	Ω-cm	1-3 x 10 ⁻⁵ Ω-cm (conductive paste) 1.59 μΩ-cm @ 20°C
8	Boiling point	°C	2212
9	Melting point	°C	960
10	Density	g/cm ³	10.49
11	Matrix	-	α-Terpineol (dispersion) Recommended washing solvent: polar solvent (Ethanol, IPA, Methanol, etc.) Recommended substrates: ITO film & glass, plastic film

Applications

- Use for fine line print resolution (<45 μm) such as in solar cell, display and sensors.
- Compatible with PET and glass substrates

Shelf-life 1 year

Storage Stored at 2 - 8°C

Note: Information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. Accordingly, Polygel Organometallic (Brunei) Sdn. Bhd gives no warranty as to the fitness of the product of any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded to the extent that such exclusion is prevented by law.

TDS Ag-PAS 0821

Polygel Organometallics (Brunei) Sdn Bhd
Plot 5C1B – Salambigar Industrial Park – Brunei Darussalam – BU1129