

SK6540

SONY



L i q u i d A d h e s i v e



Sony's SK6540 UV-curable adhesive, with improved sunlight resistance, can be used as a universal adhesive across all formats and for all reflective/semi-reflective layers in the optical storage industry. It is specifically designed for bonding silver-alloy semi-reflective layers to aluminum reflective layers for DVD-9 optical media formats. SK6540 can be used as an adhesive for the STP layers in DVD-14/18 formats as well. SK6540 is a clear, spin-coatable, free radical, low shrinkage, excellent disc edge curing, acrylic adhesive designed to offer fast cure speed, excellent bond integrity, dimensional stability, and high optical clarity.

Properties

Item	Liquid Property	Test Method
Appearance	Light Yellow, Transparent	Visual
Viscosity	580 mPa. s	Cone & Plate Viscometer @ 25°C
Surface Tension	30mN/m	@ 23°C
Specific Gravity	1.1	Densimeter
Shrinkage	7%	Specific Gravity Measurement
Glass Transition (Tg°C)	49.5°C	Dynamic Mechanical Analysis

Recommended Process Conditions

Condition	Value
UV Irradiation	
UV Lamp	120 watt/cm Metal halide lamp
UV Dosage (320-390 nm) UV Power Puck meter by EIT	
-Adhesive through semi-reflective layer	120 mJ/cm ²
-Surface of disc	700 mJ/cm ²
UV Irradiance (320-390 nm) UV Power Puck meter by EIT	
-Adhesive through semi-reflective layer	100 mw/cm ²
-Surface of disc	600 mw/cm ²

All information supplied is typical of what can be expected in general practical use. Finished properties may vary depending on your individual application. This data is not intended to be used for specification, but provided for typical values.

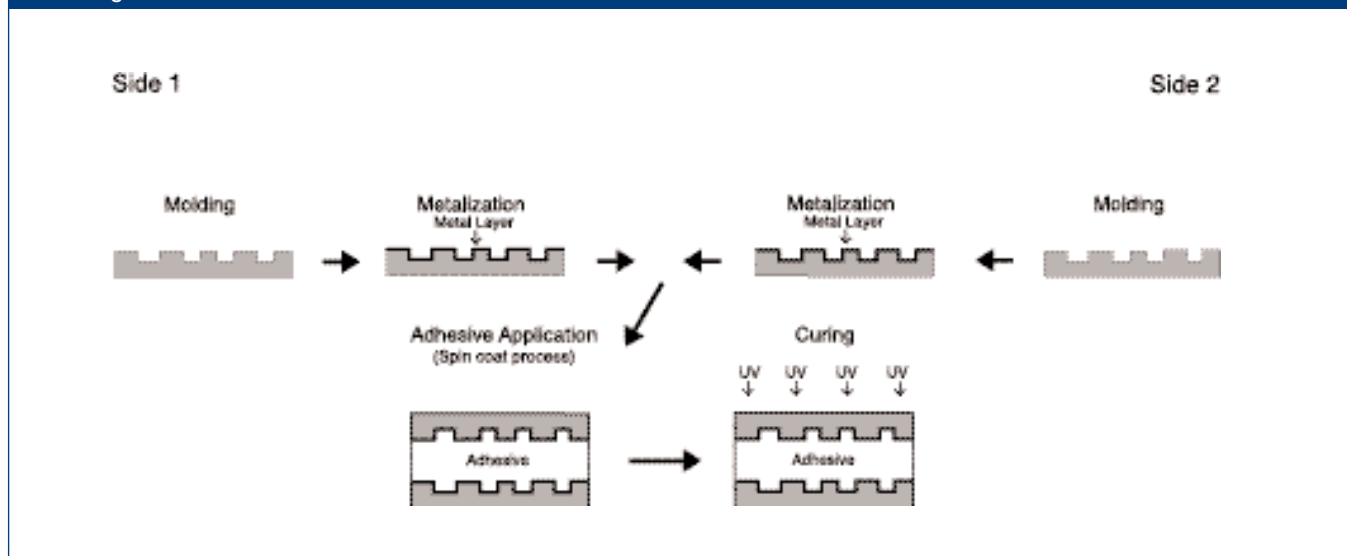


Visit us at www.sonychemicals.com

SK6540

Liquid Adhesive

Bonding Process



Precautions

Please read MSDS for full precautionary information. If material does come in contact with your skin, wash off immediately with soap and water. Do not ingest. Wear impermeable gloves, eyewear, and protective clothing. Use in a well-ventilated area.

Storage

Avoid direct sunlight. Store in a well-ventilated area at a temperature not exceeding 25°C.

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