

Ribbon/Matrix Resin KG 400



Liquid Coating

Viscosity (25°C)	3500-5200
Refractive Index (23°C)	1.51
Density (23°C)	1.10 kg/l
Surface Energy (23°C)	23dynes/cm

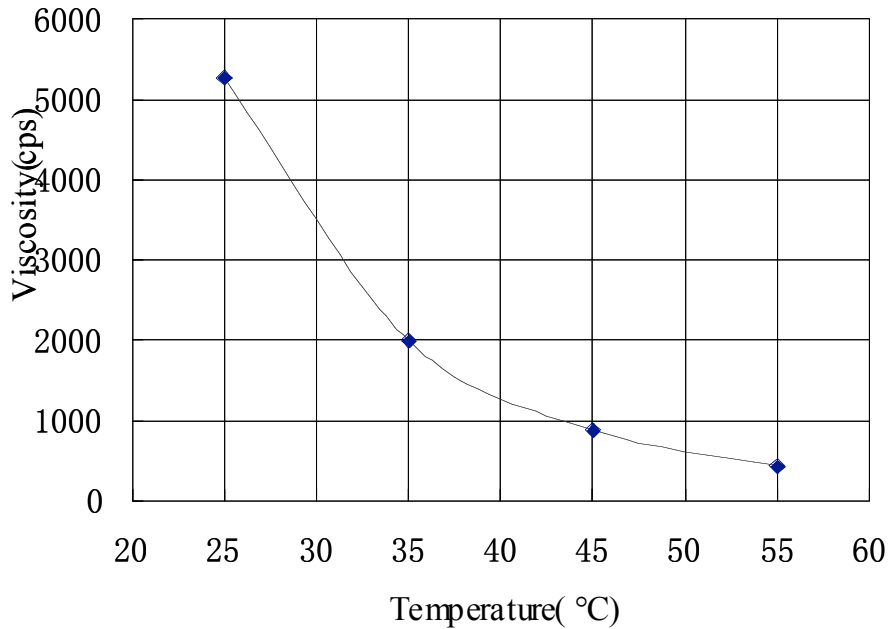
Cured Film

By DMA	
Temperature when E'=1000MPa	37°C
Temperature when E'=100MPa	67°C
Tg	69°C
Modulus at 2.5% elongation	750 MPa
Elongation	25%
Tensile strength	24 Mpa
Expansion coefficient (glassy state)	45 ppm
Expansion coefficient (rubbery state)	205 ppm
Curing speed (at 95% of maximum modulus)	0.20 J/cm ²
Shrinkage upon curing	2.5%
Refractive Index (23°C)	1.53
Water absorption (150µm film)	2.0%
Hydrogen generation (80°C, 24hrs, Ar)	0.2 µl/g
Coefficient of Friction (Cured on stainless steel under N ₂)	0.3

Packaging、Transportation、Storage

Packaging & Transportation	Packaged in 10kg plastic bottle, transported at room temperature.
Storage Conditions	Stored between 15°C to 30°C for up to 12 months.
Safety Precautions	Refer to packaging labels

Viscosity vs. Temperature



Viscosity unit: 1 cps = 1 mPa · s

Dynamic Mechanical Analysis

