



Primary Coating KG 100-1

Liquid Coating

Viscosity (25°C)	5700 cps
Refractive Index (23°C)	1.48
Density (23°C)	1.01 kg/l
Surface Energy (23°C)	44 dynes/cm

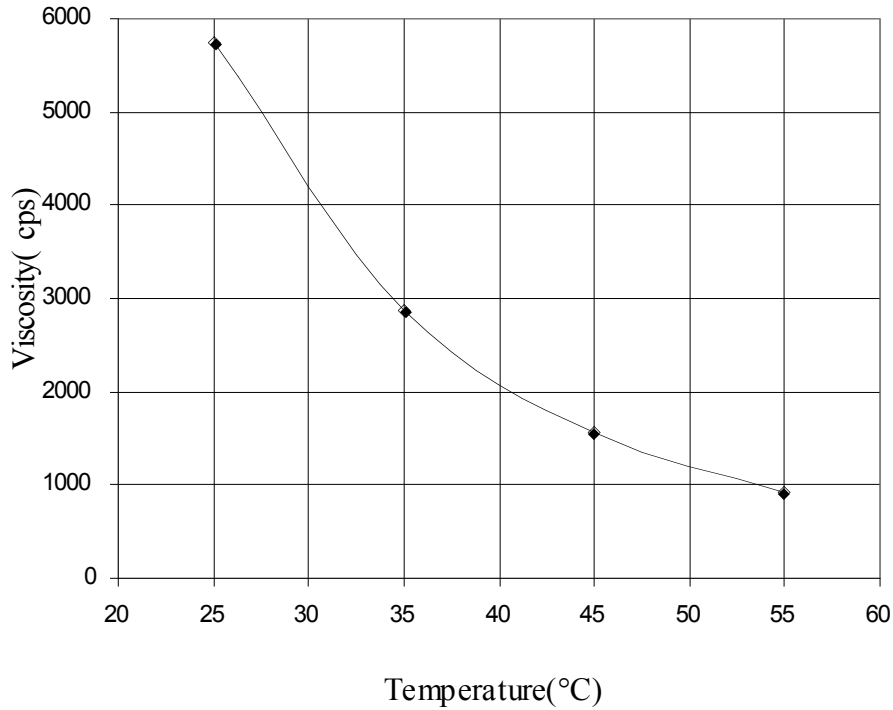
Cured Film

By DMA	
Temperature when E'=1000Mpa	-38°C
Temperature when E'=100Mpa	-27°C
Modulus at 2.5% elongation	1.6 MPa
Elongation	120%
Tensile strength	1.2 MPa
Expansion coefficient (glassy state)	45 ppm
Expansion coefficient (rubbery state)	360 ppm
Curing speed (at 95% of maximum modulus)	0.20 J/cm ²
Shrinkage upon curing	2.5%
Refractive Index (23°C)	1.49
Water absorption (150µm film)	0.4%
Water-soluble impurity (150µm film)	0.5%
Hydrogen generation (80°C, 24hrs, Ar)	0.2 µl/g
Weight loss	
8 weeks at 88°C	-3.8%
8 weeks at 125°C	-7.8%
Adhesion to glass	
50%RH	0.60N
95%RH	0.31N

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



Dynamic Mechanical Analysis

