

## Low Refractive Index Coating KG300

### Product Properties

Low refractive index, good adhesion to glass, excellent thermal stability

### Characteristics

#### Liquid Coating

#### Typical Value

Viscosity (25°C)	3000cps
Refractive Index (23°C)	1.36
Density (23°C)	1.508kg/l

#### Cured Film

#### Typical Value

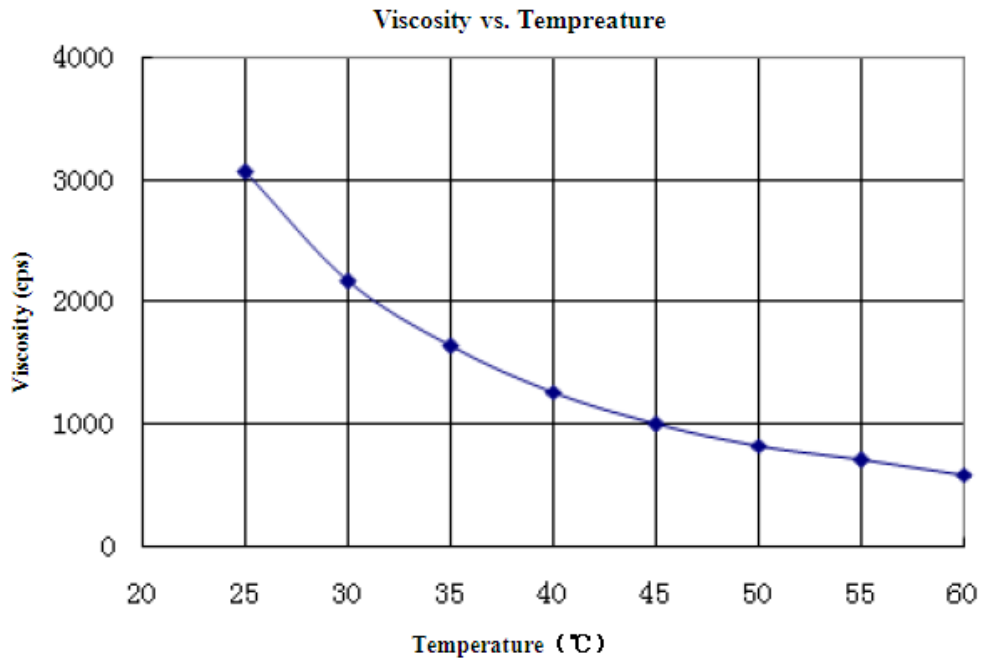
By DMA	
Temperature when E'=1000Mpa	-80°C
Temperature when E'=100Mpa	-8°C
Modulus at 2.5% strain	1.0MPa
Elongation	105%
Tensile strength	0.72 MPa
Refractive Index (23°C)	1.37
Curing speed (at 95% of relative curing degree)	0.10J/cm <sup>2</sup>
Adhesion to glass (23°C)	1.55N

### Storage Conditions

KG300 is available in 1kg plastic bottle which prevent exposure of the content to UV light. It is recommended that KG coatings be stored in a dry place in unopened, undamaged, original containers at temperatures between 0°C and 10°C. Storage or shipment in cold conditions may result in a phase separation which is reversible and is corrected by heating for 24 hours at 40°C .

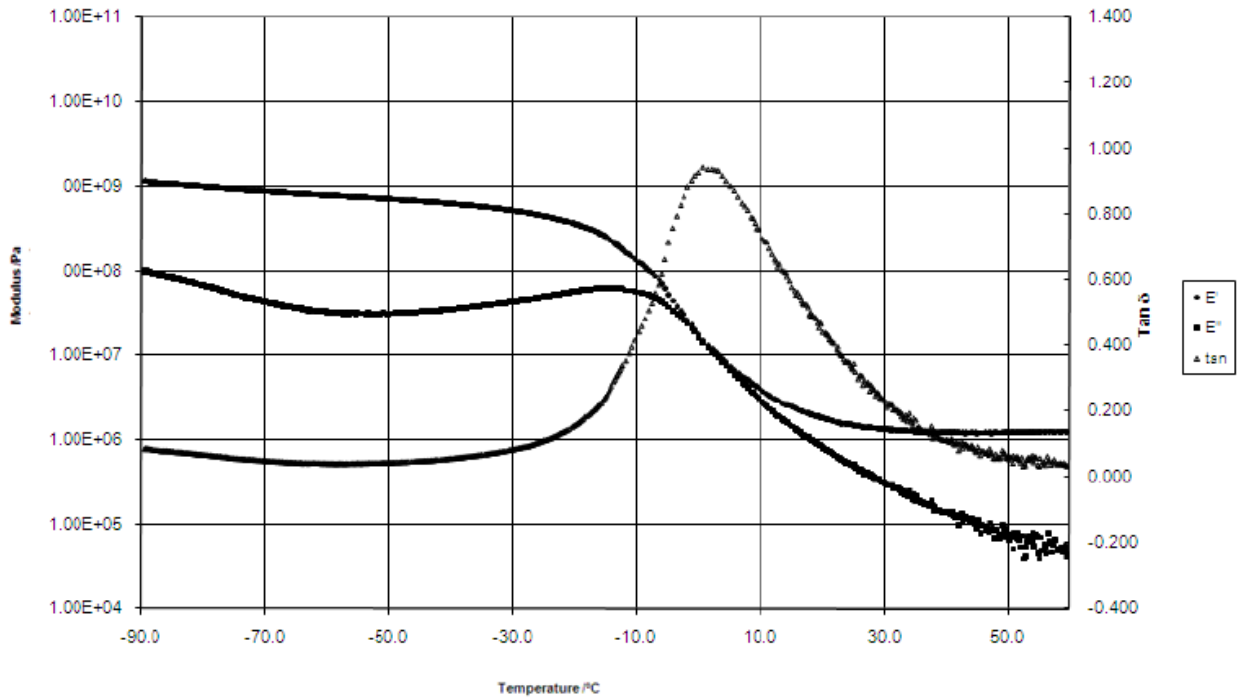
### Shelf Life

KG300 has a recommended shelf life of 12 months from the date of manufacture, provided that the above stated storage conditions are properly maintained.



$$1 \text{ cps} = 1 \text{ mPa} \cdot \text{s}$$

Dynamic Properties vs Temperature



The data contained herein are based on Phichem lab test result and are believed to be reliable. Phichem recommends that the users take test to determine the suitability of a product in particular processing or application/use.