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KINGMIDE 310

KINGMIDE 310 is a high molecular weight with high viscosity, reactive polyamide resin designed for use with liquid epoxy resins. KINGMIDE 310 are suitable for use in adhesives and coatings, where excellent adhesion, high toughness, good chemical resistance are required. Compare with KINGMIDE 305, KINGMIDE 310 get lower viscosity, shorter pot life, faster thin film set time. KINGMIDE 310 may be used for plasticizer.

1. SPECIFICATIONS

Appearance	: Brown-colored viscous liquid.
Viscosity (40°C)	: 30,000~50,000 mPa·s
Colour (Gardner)	: 10 Max.
Amine Value	: 250 ±15
A.H.E.W.	: 170
Sp.Gr. (25°C)	: 0.97

2. RECOMMENDED MIXING RATIO

- ⊖ 80~120 parts by weight to 100 parts of Bisphenol-A type epoxy resin whose epoxy equivalent weight is about 190.
- ⊖ 30~60 parts by weight to 100 parts of Bisphenol-A type epoxy resin whose epoxy equivalent weight is about 490.

3. CURING CHARACTERISTICS

Epoxy resin	: Employed Bisphenol-A type epoxy resin whose epoxy equivalent weight is about 190.
Total mass	: 100 gram
Room temp.	: 23°C

EXOTHERMIC REACTION				
Mixing ratio = Epoxy resin / K 310				
Peak exothermic temp. (°C)				
Gel time (min.)				

