



KH-819 Cycloaliphatic Amine Modified Type

General Description

DOCURE KH-819 is a cycloaliphatic Amine modified curing agent for use with Epoxy Resins. It has very low viscosity in epoxy systems. KH-819 gives very rapid curing rate at ambient and low temperature. It can be used in formulations with good water spot resistance and resistance to amine blush and chemical resistance.

Resin Properties

Item	KH-819	Test Method
TAV* ¹ (mgKOH/g)	340-390	KD-AS-201
Viscosity(cps at 25 °C)	50-150	KD-AS-005
Color(G)	2.0 max.	KD-AS-025
Use Level* ² (phr)	45	-

*1 Total Amine Value (0.1N-HCl Method)

*2 Per hundred resin (YD-128=186g/eq)

Physical Properties

Item	Result
Tensile Strength(Kgf/cm ²)	667
Flexural Strength(Kgf/cm ²)	1,250
Compressive Strength(Kgf/cm ²)	715
Hardness(Shore D)	84

Resin : YD-128

Mixing ratio : YD-128/KH-819=100/45

Curing condition : 7days at room temperature

Film Properties

Item	Result
Through cure time	3hours 25min

Resin : YD-128

Mixing ratio : YD-128/KH-819=100/50

Film thickness : 75µm

Application

Solvent free Coatings

Chemical resistance coatings

Industrial and decorative coatings

Storage

Keep away from excessive heat and humidity

Closed container

Packaging

Drum of 180kg net weight

Can of 15kg net weight