

YD-011X75

Solution of Solvent Epoxy Resin

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General Description

KUKDO EPOXY YD-011 is a type standard Epoxy Resin derived from Bisphenol-A and Epichlorohydrin. Especially, it has excellent adhesion, chemical resistance, heat resistance, etc. Due to its special properties, YD-011X75 dissolved in Xylene is generally used in many applications.

Application

It is mainly recommended for the anti-corrosive industrial coatings, marine and protective coatings, civil engineering and various adhesives.

Resin Properties

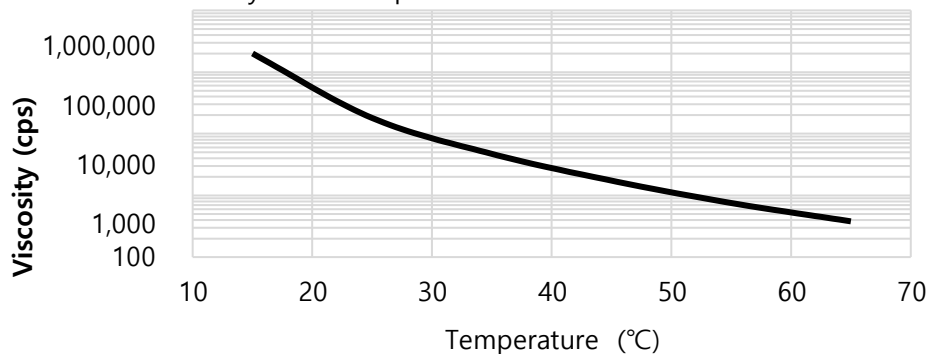
Item	YD-011X75	Test Method
EEW(g/eq)	450-500	KD-AS-001
Viscosity ^{*1}	Z ₃ -Z ₆	KD-AS-007
Non-volatile Content (wt.%)	74-76	KD-AS-015
Color(G)	1.0 max.	KD-AS-025

*1 Gardner Holdt Method

Relationship between Temperature and Viscosity

Viscosity is reduced according to the increase of temperature.

Temperature and Viscosity relationship of YD-011X75 is as follows.



Curing properties – Drying time

Curing agent	Phenalkamine (KMH-154X70)		Polyamide (G-5022X70)
	5°C	25°C	
Set to touch	5°C	2 hr	16 hr
	25°C	30 min	40 min
Dry hard	5°C	16 hr	23 hr
	25°C	3 hr	6 hr

FDA Information

This product will comply with the standards listed in FDA 21 CFR 175.300 (Resinous and Polymeric Coatings) when the products are properly and completely cured for food contact applications.

Safety, Storage & Handling

Avoid direct physical contact.

Since emptied containers retain product residue(vapor, liquid, solid) follow all MSDS and label warnings even after container is emptied.

Comply with all applicable laws and regulations for handling.

Deal only with a well-ventilated place.

Do not inhale the steam prolonged or repeated.

Avoid contact with heat, sparks, flame or other ignition sources.

Do not apply direct heat.

Do not apply any physical shock to container.

Keep in the original container.

Prevent static electricity and keep away from combustible materials or heat sources.

Shelf-life is 12 month.

Packaging

20kg Can or 200 Kg D/M (Net weight)

Bulk in Tank

Chemical Inventory Listing

	25036-25-3	1330-20-7
Korea (KECL)	KE-24070	KE-35427
USA (TSCA)	Listed	Listed
EU	Polymer	215-535-7
Japan (MITI/ENCS)	7-1283	3-3
China (IECSC)	Listed	Listed
Canada (DSL/NDSL)	DSL	DSL
Australia (AICS)	Listed	Listed