

Chemieresin Industries Pvt. Ltd.

Plot No. 901/A, Phase - 4, GIDC - Naroda, Ahmedabad - 382330

Technical Data Sheet

Product : Polyamide CR 760

Type:

Reactive liquid polyamide resin

Description:

Low viscosity reactive polyamide resin with high amine value.

Specifications:

1) Appearance : Clear Yellowish Liquid.

 2) Density @ 25 C.
 : 0.95 - 0.98

 3) Viscosity @ 25 C.,CPS
 : 200 - 600

 4) Colour Gardner
 : 8 max.

5) Amine value (mg KOH/g) by HClO4 method. : 380 – 425 6) H – Equivalent weight : 100

7) Mixing ratio with 100 parts of Chemie CR 110 : 50 8) Typical gel time of 150 g mix @ 25 C., minutes : 120

9) Typical peak exotherm of 500 g mix : 1150 C reached in :110 minutes

10) Typical cure schedule : a) 2 -7 days @ 250 C.

b) 2 hrs @ 60 C. + 1 hr. @ 1000

C.

Solubility:

CR 760 is soluble in alcohols, glycol ethers, ketones and chlorinated hydrocarbons. It is partially soluble in esters and aliphatic hydrocarbons.

Compatibility:

CR 760 is compatible with all types of liquid epoxy resins, reactive diluents, plastisizers, pure phenolic resoles, and non-reactive polyamides.

Applications:

CR 760 is room temperature curing polyamide resin having low viscosity, relatively long pot life and non-critical mixing ratio. When used in coating applications, it gives hard, non-glossy films. Its application with appropriate grades of liquid epoxy resins includes solvent free coatings, concrete repair compounds, adhesives, castings, laminates, pottings, encapsulations, impregnations, surface coatings, flooring, etc.

Suggestive Formulation:

Two pack room temperature curing maintenance coatings.

Part I	Base	kgs	
	Redoxide	27.6	
	Barytes micronised	27.6	
	CR 110	40.4	
	Phenol	<u>4.4</u>	100.0
Part II	Hardener		
	CR 760	18.5	
	D.M.P. 30	1.5	20.0
	-	T-1-1 400 0	

Total 120.0

Part I: Part II: 100: 20 Mixing ratio by weight

Full cure @ 250 C, days

Material Safety Data:

Product name : CR 760 Flash point 0 C. (Abel closed cup) : Above 125 Flammability : Combustible

Toxicity :Mild toxicity by exposure and inhalation due

to presence of very small quantity of

polyamines.

: Keep away from sources of ignition, provide Handling

all electric connections of flame-proof design.

Wear safety glasses, rubber gloves and

protective clothings.

Emergency treatment and measures

1 Hygienic precautions : Adequate ventilations.

2 Hygienic treatments (First Aid): Flush eyes thoroughly with water. Apply

ophthalmic cortisone for conjunctivitis and

keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis.

3 Fire precautions : Use dry chemical or carbon dioxide. Water spray (in case of outbreaks)

may help to keep containers cool, to dilute leaked

resins and to diffuse vapours.

Spills and leakage : Absorb liquid materials in sand and collect solid

material and burn under hood in incinerator.

Disposal and waste treatment : Spray into furnace under controlled conditions.

Storage:

CR 760 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

Packing:

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 190 kgs. M.S. barrels.

Disclaimer:

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.