



# SYNPOL PRODUCTS PRIVATE LTD.

Regd Office & Factory: 77, G.V.M.S. AUDYOGIC VASAHA LTD.,  
ODHAV, AHMEDABAD – 382 415

PRODUCT CODE : POLYAMIDE / 02.09

## SYNPOL 160 LP

TYPE : Reactive liquid polyamide resin

DESCRIPTION : Room temperature curing reactive polyamide resin with low viscosity, long pot life, low exotherm and non-critical mixing ratio.

### SPECIFICATIONS :

1) Appearance	Clear yellowish free flowing liquid.
2) Density @ 25 <sup>0</sup> C.	0.95 - 0.98
3) Viscosity @ 25 <sup>0</sup> C., poises	4 - 10
4) Colour, gardner	13 max.
5) Amine value (mg KOH/g) by HClO <sub>4</sub> method.	390 - 440
6) Mixing ratio with 100 parts of Synpol 200	50
7) Typical pot life of 150 g mix @ 25 <sup>0</sup> C., minutes	180 - 240
8) Typical peak exotherm of 500 g mix	70 <sup>0</sup> C reached in 500 minutes
9) Thin film set time @ 25 <sup>0</sup> C., hours	23
10) Typical cure schedule	a) 7 - 14 days @ 25 <sup>0</sup> C. b) 2 days @ 25 <sup>0</sup> C. + 2 hrs. @ 100 <sup>0</sup> C.

COMPATIBILITY : Synpol 160 LP is compatible with all types of liquid epoxy resins, reactive diluents, plastisizers, etc.

CHEMICAL RESISTANCE : Good to very good against water and most aqueous media; poor against organic acids and solvents.

### APPLICATIONS :

Synpol 160 LP is room temperature curing polyamide resin having low viscosity, long pot life, good through cure with very little exotherm in high solid coatings and non-critical mixing ratio. Due to its special property of non-critical mixing ratio, considerable latitude is possible and higher loadings are frequently used to give increased flexibility. Many civil engineering uses as flooring and concrete repair compounds. High solids coatings. Wet lay-up laminating. Electrical encapsulation.

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DISCLAIMER: Above Specifications are subject to change without prior notice and company reserves the right to modify the same at any time

## MATERIAL SAFETY DATA :

Product name	Synpol 160 LP
Flash point <sup>0</sup> C. (Abel closed cup)	160
Flammability	Combustible
Toxicity	Mild toxicity by exposure and inhalation due to presence of very small quantity of polyamines.
Handling	Keep away from sources of ignition, provide 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 (in case of outbreaks)	Use dry chemical or carbon dioxide. Water spray 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 :

Synpol 160 LP 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 180 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.

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