



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : POLYAMIDE / 02.06

SYNPOL 150

TYPE : Reactive liquid polyamide resin

DESCRIPTION : Low viscosity reactive polyamide resin with high amine value and rapid cure.

SPECIFICATIONS :

1) Appearance	Clear yellowish free flowing liquid.
2) Density @ 20 ⁰ C.	0.95 - 0.98
3) Viscosity @ 25 ⁰ C by Brook field # 6, 20 r.p.m., poise	5 - 15
4) Colour gardner	12 max.
5) Amine value (mg KOH/g) by HClO ₄ method.	390 - 450
6) Mixing ratio with 100 parts of Synpol 200	45 - 55
7) Typical gel time of 150 g mix @ 25 ⁰ C., minutes	80 - 100

SOLUBILITY : Synpol 150 is soluble in alcohols, glycol ethers, ketones and chlorinated hydrocarbons. It is partially soluble in esters and aliphatic hydrocarbons, and is insoluble in water.

COMPATIBILITY : Synpol 150 is compatible with all types of liquid epoxy resins, reactive diluents, plastisizers, pure phenolic resoles, and non-reactive polyamides.

APPLICATIONS : Synpol 150 is specially developed for curing of epoxy resins with low viscosity and high amine value. It's special features including rapid cure, pale colour, good light stability and high compatibility with solvents and epoxy resins. Suggested uses includes solventless coatings, castings, laminations, encapsulations, impregnations and adhesives etc.

SUGGESTIVE FORMULATION :

Epoxy putty / Stopping compound (water reduced putty)

Part I	Filler	kgs.	
	Portland cement	300	
	Talc	20	
	Silica floor	20	
	Redoxide of iron	<u>15</u>	355
Part II	Water	<u>250</u>	250
Part III	Hardener		
	Synpol 150	130	
	DMP 30	<u>5</u>	135
Part IV	Resin		
	Synpol 200	<u>260</u>	<u>260</u>
	Total		1000

Consistency of putty	Thixotropic smooth paste
Pot life @ 25 ⁰ C, minutes, minimum	60
Full cure @ 25 ⁰ C, days	7

Procedure : Mix components of part I in dry condition. Then add water of part II and mix thoroughly. Then add hardener part III under stirring. Then add resin component part IV under stirring till homogeneous paste is made. Make use of the putty within its pot life.

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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 150
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.
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 ventilation.
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 150 should be stored in cool and dry 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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