



# SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : ACRYLIC / 06.06

## SYNPOL AT-60

TYPE : Thermosetting acrylic co-polymer solution.

DESCRIPTION : Thermosetting hydroxyl functional acrylic co-polymer based on soft monomers in association with hydroxyl functional monomers to give excellent flexibility and impact strength.

### SPECIFICATIONS :

1) Appearance	Water clear viscous liquid.
2) Density @ 25 <sup>0</sup> C.	0.96 - 0.98
3) % Solids @ 150 <sup>0</sup> C. for 30 minutes.	58 - 62
4) Solvent	Xylene : n-Butanol ( 2 : 1 )
5) Viscosity @ 25 <sup>0</sup> C. , poises, gardner	7 - 11
6) Acid value of resin solids, mg. KOH / gm.	15 max.
7) Hydroxyl value of resin solids, mg. KOH / gm.	50 - 70

### SOLUBILITY :

Synpol AT-60 is soluble in alcohols, glycol ethers, ketones and mixture of alcohols and aromatic hydrocarbons.

### COMPATIBILITY :

Synpol AT-60 is compatible with all grades of amino resins, epoxy resins and other thermosetting resins.

### APPLICATIONS :

Synpol AT-60 in combination with suitable amino resins finds application for non-yellowing baking finishes where high degree of flexibility and impact resistance is required. It finds uses for appliance enamels, automotive coatings coupled with excellent adhesion, high gloss, very good flexibility and hardness with fast curing and excellent exterior durability.

### SUGGESTIVE FORMULATION :

#### *General purpose white glossy stoving enamel.*

	kgs.
Titanium dioxide rutile	30.0
Synpol AT-60	38.0
Synpol MF-268	13.5
Xylene	12.0
Butanol	6.2
Silicon flow control agent, 1% solution	<u>0.3</u>
Total	100.0
% Solids	61.0
Acrylic MF ratio	74 : 26
Stoving schedule @ 120 <sup>0</sup> C., minutes.	30

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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 AT-60
Flash point ° C. (Abel closed cup)	30
Flammability	Moderate fire risk due to presence of solvents like Xylene, n-Butanol.
Toxicity	Moderate toxic by exposure and inhalation of vapours of Xylene, n-Butanol and traces of free monomers.
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 AT-60 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 200 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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