



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : ACRYLIC / 06.05

SYNPOL AT-56

TYPE : Thermosetting acrylic co-polymer solution.

DESCRIPTION : Thermosetting hydroxyl functional acrylic co-polymer based on hard monomers in association with hydroxyl functional monomers to give excellent hardness and scratch resistance properties.

SPECIFICATIONS :

1) Appearance	Water clear viscous liquid.
2) Density @ 25 ⁰ C.	0.97 - 0.99
3) % Solids @ 150 ⁰ C./ 30 min.	48 - 52
4) Solvent	Xylene : n-Butanol (9 : 1)
5) Viscosity @ 25 ⁰ C. , poises, gardner	20 - 30
6) Colour, gardner	3 max.
7) Acid value of resin solids, mg. of KOH / gm.	25 - 35
8) Hydroxyl value of resin solids, mg. KOH / gm.	50 - 70

SOLUBILITY : Synpol AT-56 is soluble in alcohols, glycol ethers, ketones and mixture of alcohols and aromatic hydrocarbons.

COMPATIBILITY : Synpol AT-56 is compatible with all grades of amino resins, epoxy resins and other thermosetting resins.

APPLICATIONS : Synpol AT-56 in combination with suitable amino resins is suitable for non-yellowing baking finishes for appliances and automotive finishes with excellent hardness, very good adhesion, high gloss, moderate flexibility, fast cure with exterior durability.

SUGGESTIVE FORMULATION :

Gray metallic automotive top coat.

	kgs.
Non leafing aluminium paste	1.2
Synpol AT-56	52.0
Synpol MF-268	20.0
Xylene	21.8
Butanol	<u>5.0</u>
Total	100.0
% Solids	39.2
Acrylic MF ratio	68 : 32
Stoving schedule @ 120 ⁰ 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-56
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 monomer.
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-56 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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