

MARIPOL TPA 72/MARIPOL TSA 56 THERMOPLASTIC & THERMOSETTING ACRYLIC RESINS

➤ **General Description**

Thermoplastic acrylic resin maripol TPA 72 is a specially copolymerized product of MMA and EA while thermosetting Maripol TSA 56 is a product of intricate monomer reaction between HEMA, MMA and Styrene, offering a hydroxy functional acrylic polymer. It is a typical external cross linking hydroxyl functional acrylic resin.

MARIPOL TPA 72 is a 50% solution of the polymer in Xylene : toluene :: 1:1

MARIPOL TSA 56 is a 60% solution of the polymer in Xylene : butanol :: 9:1

➤ **Area of Application**

MARIPOL TPA 72, in combination with cellulose acetate butyrate, can be used a clear or pigmented lacquer for coating plastics (excepting polystyrene) to give a glossy and highly flexible film, with outstanding exterior durability. In combination with nitrocellulose, Maripol TPA 72 can produce lacquers having excellent gloss retention and outdoor durability which can be used for repainting of vehicles.

MARIPOL TSA 56, coupled with amino resins can produce non yellowing finishes for auto vehicles, refrigerators, household appliances etc. The paint thus formulated will have excellent mar resistance, gloss retention and outdoor durability.

MARIPOL TSA 56 can also be cross linked with isocyanates (like desmodur L-75 or desmodur N-75) to produce state of the art lacquers for repainting of cars, for wood finishes and for non yellowing white on gas tankers.

➤ **Other Characteristics**

	MARIPOL TPA – 72	MARIPOL TSA -56
1) SOLIDS	50 ± 1%	50 ± 1%
2) SOLVENTS	Xylene : toluene :: 1:1	Xylene : Butanol :: 9:1
3) VISCOSITY AT 30° C.	15/20 poises or PRA Tube 13/13+	8/15 poises or PRA tube 11/13
4) ACID VALUE	6-8 mgm of KOH/Gm of solid resin	5-10 mgm of KOH/gm of solid resin
5) COLOUR	Water white	Water white
6) FLOW PROPERTIES	Excellent	Excellent
7) FLEXIBILITY	Passes 1/16” bending	Passes 1/8” bending
8) PENCIL HARDNESS	1 h	2 h with amino and 4 h with isocyanate.

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10) COMPATIBILITY	Compatible in all Proportions with Nitrocellulose, Cellulose acetate Butyrate, PVB.	Compatible in all Proportions with Aminos, isocyanates.
11) HYDROXYL VALUE	Nil	50 mgm of KOH/gm

➤ **Disclaimer**

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