

POLYTONE®

PA Series/POLYAMIDE RESINS-NON REACTIVE



POLYOLS & POLYMERS PVT. LTD.

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C-1/58-59, G.I.D.C.

VAPI 396 195

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25 years
1989 - 2014

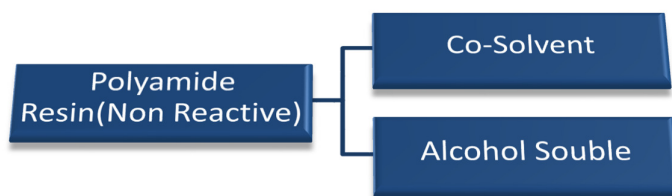


POLYTONE®

PA Series Polyamide Resins – Non Reactive

POLYTONE® PA Series Non Reactive Polyamide Resins are designed for providing premium performance. These are thermoplastic polyamide resins and formulated to exhibit good solvent compatibility, gel resistance, pigment wetting.

These are particularly soluble for formulating flexo and rotogravure printing inks providing adhesion, gloss and water resistance



POLYAMIDE RESIN / NON REACTIVE / CO- SOLVENT GRADE		
	POLYTONE™ PA 302	POLYTONE™ PA 303
Colour	Bright light yellow	Bright light yellow
Softening Point (B & R)	105° C – 110 ° C	105° C – 115 ° C
Viscosity of 35% solution in 1:1 ratio of Toluene:Butanol at 30° C	60 - 85 mPas	80 -120 mPas
Viscosity of 35% solution in 1:1 ratio of Toluene:Butanol at 30° C	20 – 28 Sec	25 – 35 Sec
Acid Value	7 mg KOH/ g resin (Max)	7 mg KOH/ g resin (Max)
Amine Value	7 mg KOH/ g resin (Max)	7 mg KOH/ g resin (Max)
Characteristics	<ul style="list-style-type: none"> ✓ Zero Gelling at - 5°C ✓ Resistance to Greese & Water ✓ Flexibility ✓ Excellent Water & Chemical Resistance ✓ Excellent Pigment Wetting ✓ Good Solvent Release 	
Solubility	POLYTONE PA 302/303 is soluble In n-Butanol, n--Propanol, Cellosolve and mixtures of these with aromatic hydrocarbons e.g. Toluene and Xylene. This resin is partially soluble in iso-propanol and insoluble in ethanol , aliphatic and aromatic hydrocarbons. . Under certain conditions the solutions forms reversible gels on standing. In order to achieve complete solubility in alcohol solutions , sometimes it is necessary to add small	

	percentage of water or aromatic hydrocarbon solvent . For optimum solubility blends of alcohols and hydrocarbon solvents are required.
Application/ Industry	POLYTONE™ PA 302/303 is a polymeric fatty acid based co-solvent grade non reactive polyamide resin in solid form suitable for flexographic and gravure printing inks. This resin provides excellent resistance to grease and water, and good glossy sharp prints. It has excellent adhesion to treated polyethylene and other plastics. Polytone PA 302/303 has good flexibility and very good solvent release properties.

POLYAMIDE RESIN / NON REACTIVE/SPIRIT/ALCOHOL SOLUBLE

	POLYTONE™ PA 351
Colour	Bright light yellow
Softening Point (B & R)	140° C – 150 ° C
Viscosity of 40% solution in Industrial Spirit at 25° C	24 -50 mPas
Viscosity of 40% solution in Industrial Spirit at 25° C	15 -20 Sec
Acid Value	7 mg KOH/ g resin (Max)
Amine Value	7 mg KOH/ g resin (Max)
Characteristics	✓ Infinite Solubiity in Ethanol and Higher Alcohols
Solubility	POLYTONE PA 351 shows excellent solubility in a variety of solvents that do not attack rubber stereotypes . Under certain conditions the solutions forms reversible gels on standing and to avoid this, it is recommended to add small percentage of water or higher alcohols or aromatic hydrocarbon solvent. POLYTONE™ PA 351 has infinite solubility in ethanol and higher alcohols. It is soluble in methanol at higher concentrations – 40% and above
Application/ Industry	POLYTONE™ PA 351 is an alcohol soluble non reactive polyamide resin in solid form suitable for flexographic printing inks. This resin exhibits good anti-blocking characteristics and finds use in specialized flexographic inks and release lacquers. Inks prepared from this resin have good adhesion to a variety of substrates, excellent solvent release properties, low odour and good nitrocellulose compatibility.

* Test methods available on request

STORAGE & HANDELING

Available in 20/25Kg HDPE Line KRAFT Paper Bags with Anti Static Liner *or* 20/25Kg HDPE Bags
Choice of ISPM 15 Standard Heat Treated/Fumigated Pallets or Plastic Pallets.

Can be stored up to 12 months at temperatures below 35 °C.

SAFETY

Please follow advice and information provided in MSDS. Protective clothing & workplace hygiene measure must be observed at all times.

Detailed MSDS available on request.



POLYTONE® PA Series

CONTACT US

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