POLYTONE™ SYNTHETIC RESINS
Non Reactive Polyamide Resins

TECHNICAL DATA	POLYTONE™ PA 303
Chemical Classification	Polymeric Fatty Acid Based Polyamide Resin
Type	Co-Solvent Grade
Physical Form	Broken Lumps
Colour	Bright light yellow
Softening Point (B & R)	105° C – 115 ° C
Viscosity of 35% solution in 1:1 ratio of Toluene:Butanol at 30° C	80 -120 mPas
Viscosity of 35% solution in 1:1 ratio of Toluene:Butanol at 30° C byB 4 Ford Cup	25 – 35 Sec
Acid Value	7 mg KOH/ g resin (Max)
Amine Value	7 mg KOH/ g resin (Max)

Application POLYTONE™ PA 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 303 has good flexibility and very good solvent release properties.

Solubility POLYTONE™ PA 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.

Compatibility POLYTONE™ PA 303 is compatible with ketonic, maleic, reduced phenolic and pure phenolic resins. However, compatibility with alkyds is only partial. Compatibility of POLYTONE PA 303 with nitrocellulose is much improved as compared to that of POLYTONE™ PA 302

Packaging Available in 25 Kg bags

Shelf Life Store under cool dry conditions. It is recommended that the material be used within 12 months from the date of manufacture

P&P/TDS/POLYTONE™ PA303/REV001/01.05.2013

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