

POLYTONE™ SYNTHETIC RESINS

Non Reactive Polyamide Resins

TECHNICAL DATA	POLYTONE™ PA 351
Chemical Classification	Polymeric Fatty Acid Based Polyamide Resin
Type	Spirit Soluble Grade
Physical Form	Broken Lumps
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)

<u>Application</u>	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.
<u>Solubility</u>	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.
<u>Compatibility</u>	POLYTONE™ PA 351 is compatible with ketonic, maleic, nitro cellulose, reduced phenolic and pure phenolic resins. However, compatibility with alkyds is only partial.
<u>Packaging</u>	Available in 25 Kg bags
<u>Shelf Life</u>	Store under cool dry conditions. It is recommended that the material be used within 12 months from the date of manufacture.