



POLYTONE™ SYNTHETIC RESINS Modified Phenolic Resins

TECHNICAL DATA		POLYTONE™ P 142
Chemical Classification		Rosin Modified Penta Esterified, Phenol Formaldehyde Resin
Physical Form		Broken Lumps
Colour (50% Solution in Toluene)		12 (MAX) Gardner Scale
Melting Point (Capillary)		130° C – 150 ° C
Viscosity of 33% solution in ARLO at 30° C by Brookfield Viscometer		4000 cP – 10000 cP
Viscosity of 50% solution in Toluene at 30° C by B4-Ford Cup		55-75 Sec
Heptane Value		30±1 ml
Acid Value		25 mg KOH/ g resin (Max)
MTO Tolerance of 50% solution in Toluene		1:10 Min
Ink Oil (280/310) Solubility of solution in ARLO at 30° C	5g - 33%	5g : 12±3 ml
<u>Properties & Usage</u>	POLYTONE™ P 142 is a high melting modified Phenolic resin suitable for manufacture of letterpress inks, offset printing inks with excellent water repellent properties. This resin possesses excellent properties along with good distribution & transference properties in o/s printing inks. POLYTONE™ P 142 finds its use in high gloss gravure printing inks.	
<u>Industrial Applications</u>	Offset Printing Inks, Flexographic Inks, Gravure Inks, Printing Inks, Varnishes and many more	
<u>Solubility</u>	POLYTONE™ P 142 gives good solubility with Aliphatic Hydrocarbons. It is completely soluble with Aromatic Esters and Varnish Oils, POLYTONE™ P 142 is insoluble in Aldehydes	
<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	

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