

## POLYTONE SYNTHETIC RESINS Modified Phenolic Resins

TECHNICAL DATA	POLYTONE P 144
Chemical Classification	Rosin Modified Penta Esterified, Phenol Formaldehyde Resin
Physical Form	Broken Lumps
Colour	Yellowish-Brown
Melting Point (Capillary)	145° C – 160 ° C
Viscosity of 30% solution in Toluene at 30° C by B 4 Ford Cup	19 - 24 sec
Acid Value	30 mg KOH/ g resin (Max)
MTO Tolerance of 50% solution in Toluene	1:15 Min

**Properties & Usage**

POLYTONE P 144 is a high melting, high molecular weight modified Phenolic resin suitable for the manufacture of high grade quickset / sheet fed inks - imparting excellent gloss and giving sharp prints with excellent press stability. POLYTONE P 144 is ideally suited for heat set inks because of its solubility in aliphatic hydrocarbon solvents.

**Industrial Applications**

Offset Printing Inks, Flexographic Inks, Gravure Inks, Printing Inks, Heat Set Inks Varnishes and many more

**Solubility**

POLYTONE P 144 gives good solubility with Aliphatic Hydrocarbons. It is completely soluble with Aromatic Hydrocarbons, Esters and Varnish Oils

**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

## POLYTONE™ SYNTHETIC RESINS Modified Phenolic Resins

TECHNICAL DATA	POLYTONE™ P 148
Chemical Classification	Rosin Modified Penta Esterified, Phenol Formaldehyde Resin
Physical Form	Yellowish Solid Lumps
Colour (30% Solution in Toluene)	12 MAX [Gardner Scale]
Melting Point (Capillary)	130° C – 150 ° C
Viscosity of 35% solution in ARLO at 25° C	60 – 100 Poise
Acid Value	25 mg KOH/ g resin (Max)
MTO Tolerance of 30% solution in Toluene	1:7 Min

<b><u>Properties &amp; Usage</u></b>	POLYTONE™ P 148 is a high melting, high molecular weight modified Phenolic resin suitable for the manufacture of high grade quickset / sheet fed inks - imparting excellent gloss and giving sharp prints with excellent press stability. POLYTONE™ P 148 is ideally suited for heat set inks because of its solubility in aliphatic hydrocarbon solvents.
<b><u>Industrial Applications</u></b>	Offset Printing Inks, Flexographic Inks, Gravure Inks, Printing Inks, Heat Set Inks Varnishes and many more
<b><u>Solubility</u></b>	POLYTONE™ P 148 gives good solubility with Aliphatic Hydrocarbons. It is completely soluble with Aromatic Hy Esters and Varnish Oils
<b><u>Packaging</u></b>	Available in 25 Kg bags
<b><u>Shelf Life</u></b>	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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