

POLYTONE®

PF Series/PHENOL FORMALDEHYDE RESINS



POLYOLS & POLYMERS PVT. LTD.

REGD. OFFICE & WORKS -1 (VAPI):

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

VAPI 396 195

GUJARAT STATE

INDIA

WORKS -2 (DAHEJ)

D-2/CH-266-268-269

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<http://www.polyolsandpolymers.net>

*25*years
1989 - 2014



POLYTONE®

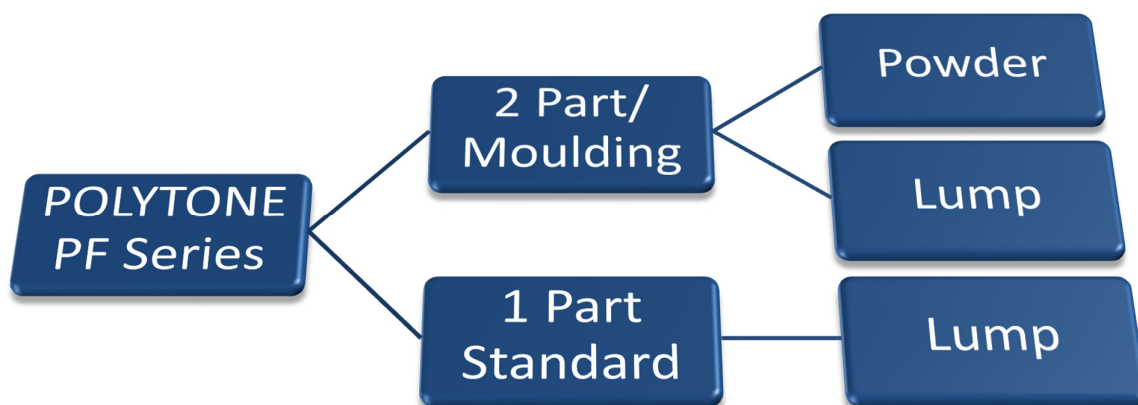
PF Series Phenol Formaldehyde Resins

Phenolic Resins are the oldest commercially manufactured synthetic polymer. The main application for phenolic resin today are in areas where heat resistant binders are required. A more recent trend has been the increasing use of phenolic material because of their excellent fire properties. Phenolic reinforced composite materials have shown particular potential.

Phenol Formaldehyde finds its application in wide number of industries and applications. The strength and thermal resistance of PF resin makes it an ideal fit for many industrial applications

The premium grade synthetic resin offered by us has received wide acceptance all across the world, especially in European markets, North east African countries, South African countries, South Eastern Asia and South America. About 75% of our entire products range and more than 95% of our POLYTONE™ AP Series Alkyl Phenol Resins are exported, majorly to European countries.

We are a trusted name and offer only quality range of synthetic resin to our clients. Owing to our professional approach, quality products and services, we have become the most preferred choice of our clients.



PHENOL FORMALDEHYDE RESIN

<p>Type</p> <ul style="list-style-type: none"> • Non Heat Reactive • Thermosetting • Moulding Powder
<p>Chemistry</p> <ul style="list-style-type: none"> • Phenol Formaldehyde • PF Resin • Novolak
<p>Phenolic Resin Type</p> <ul style="list-style-type: none"> • Novolak • Acid Catalysed

PHENOL FORMALDEHYDE RESINS / [2PART]		
	POLYTONE™ PF-201	POLYTONE™ PF-132 C
Colour	Pale Yellow/light Reddish Brown	Pale Yellow/light Reddish Brown
Physical Form	Powder	Lump
Melting Point (Capillary)	70 – 85 °C	70 – 85 °C
Hexa Content (Catalyst)	7.5 – 8.5% Mixed with Resin	Optional; Supplied at 10% w/w Separate Pack
Inclined Plate Flow@125° C	30 – 45 mm	-
Hot Plate Cure @ 160° C	40 – 65 Sec	-
Sieve Analysis (through 325 mesh)	90 – 96 Sec	
Characteristics	<ul style="list-style-type: none"> ✓ Fine Mesh ✓ Curing Rate can be Altered ✓ Pre-Blended for Ease of Use 	<ul style="list-style-type: none"> ✓ Lump Form ✓ Catalyst Supplied Separate ✓ Control Over Compositon ✓ Safe to Store
Application/ Industry	Use as a binder for friction materials , grinding wheels and molding compositions Molding Powder, Molding Compounds, Abrasive, Grinding Wheels, Binder, Foundry Binder, Housings, Laminates, Corrugated Box Manufacture.	

* Test methods available on request

PHENOL FORMALDEHYDE RESINS / PHENOL FORMALDEHYDE STANDARD	
	POLYTONE™ AP 132
Colour	Pale Amber
Softening Point (Ball & Ring)	110 – 116 °C
Free Phenol	0.50% Max
Ash Content	0.02% Max [@850°C]
Characteristics	<ul style="list-style-type: none"> ✓ Low Phenol Residue ✓ Low Ash ✓ Adhesion to Substrate
Application/ Industry	Ink Binder, Imregnating Resin, Impregnation of Porus Substrate, Ink Binder, Adhesion Promoter to smooth surface.

* Test methods available on request

APPLICATIONS

Application	PF 201/PF 132C	AP 132
Inks		✓
Wood Products		✓
Paper Coating		✓
Friction	✓	
Rubber		✓
Foundry	✓	
Refractory	✓	
Fibre Reinforced Phenolic	✓	✓
Electrical Product	✓	✓
Coatings		✓
Abrasive/Grinding Wheel	✓	
Moulding Compound	✓	
Foun		

- Abrasives and grinding wheels, including flexible grinding materials, grinding, cutting and polishing wheels.
- Friction materials in brake pads, drum brake blocks and brake linings
- Refractory products, including magnesite bricks for cement kilns.
- Foundry applications for coating sand in the casting process.
- Insulation phenolic foams for acoustic and thermal insulation management.
- Impregnation of paper for oil and air filters and transmission paper.
- Moulding compounds in electronics and automotive
- Manufacture of plywood and particle board products.



STORAGE & HANDLING

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.

CONTACT US

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