


The authors have synthesized Phenol Formaldehyde in our laboratory and performed oxy acetylene flame test under same parameters. The differences found between PF and RF are tabulated below (Table 1). Also, pictures have been taken of the blistered PF surface (Fig 1) and after ablation (Fig 2).

Parameter/ Property	Phenol Formaldehyde (Molar ratio of P/F= 1/2)	Resorcinol Formaldehyde (Molar ratio of R/F= 1/2)
Concentration of Catalyst	10 ml 40% NaOH	1 ml 40% NaOH
Time of polymerization	4 hours	20 minutes
Curing temperature	120°C	60°C
Curing Time	12 hours	4 hours
Surface	Blistered surface	Defect free
MAR	0.085	0.079
Top view (before Ablation) (Fig 1)		
After Ablation (Fig 2)		