

### Chemical / physical nature:

UP - 970 is an Orthophthalic unsaturated polyester resin with moderate reactivity.

### Properties

- No adhesion to Molyneux plates
- High Toughness
- Fast cure

### Stability:

Under the above mentioned storage condition the stability of UP - 970 will be 4 month ex work.

### Storage:

UP - 970 should be storage indoors in original Unopened and undamaged containers in a dry place at storage temperature under 25 °C. Exposure to sunlight should be avoided



### Technical information:

Specific	Amount	Unit	Standard
Solvent	Styrene		
Appearance	Viscos liquid		
Solid content	62 + 2	Percent	ISO 3251
Acid Value	Max: 20	mg KOH/g	ISO 2114
Viscosity of SMC,BMC resin	300-600	CPS	ISO 2555
Density	1.13 + 0.5%	g/cm3	ISO 1676
Gel time*	20-30	min	*
Exothermic Peak	160 - 180	°C	*
Exothermic time	30-45	minute	*

\* 100 gr resin UP - 970 with 1 gr cobalt octoate 1% metal and 1 gr MEKP at 25°C.

### Properties of cast resin :

Specific	Amount	Unit	Standard
Tensile strength	50 - 70	MPa	ISO 527
Elongation at break	3-4	Percent	ISO 527
Elongation at break	4-5	Percent	ISO 527
HOT	50 + 2	°C	ISO 75
Hardness	30 min	Barcol	ASTM D 2583

\*100 gr resin with cobalt octoate 1% metal : 1% and MEKP: 1% Post cure: 24 hour at room temperature and 2 hour at 80 °C.