

Chemical / physical nature:

UP - 950 is an Orthophthalic unsaturated polyester resin with medium reactivity and medium Viscosity.

Major application:

The UP-950 is intended for production of fiberglass composite materials with appropriate mechanical properties for general purpose for example piping application, automotive industry, boat building, etc.

Stability:

Under the above mentioned storage condition the stability of UP - 950 will be 4 month ex work .

Storage:

UP - 950 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	Clear		
Solid content	63+ 2	Percent	ISO 3251
Acid Value	Max: 25	mg KOH/g	ISO 2114
Viscosity of SMC,BMC resin	350-700	CPS	ISO 2555
Density	1.13 + 0.5%	g/cm3	ISO 1676
Gel time*	10 - 20	min	*
Exothermic Peak	160 - 190	°C	*
Exothermic time	15 - 30	minute	*

* 100 gr resin UP - 950 with 1 gr cobalt octoate 1% metal and 1 gr MEKP at 25°C.

Properties of cast resin :

Specific	Amount	Unit	Standard
Tensile strength	65 - 85	MPa	ISO 527
Elongation at break	3-5	Percent	ISO 527
HOT	62 + 3	°C	ISO 75
Hardness	40 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.