

Chemical / physical nature:

UP - 940 is an Orthophthalic unsaturated polyester resin with high reactivity and medium Viscosity.

Major application:

This resin can be used for the production of fiberglass parts for insulation, automotive, and also by adding UV primers to produce parts with UV-cure capability.

Stability:

Under the above mentioned storage condition the stability of UP - 940 will be 4 month ex work.

Storage:

UP - 940 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	67+ 2	Percent	ISO 3251
Acid Value	Max: 40	mg KOH/g	ISO 2114
Viscosity of SMC,BMC resin	500-1000	CPS	ISO 2555
Density	1.13 + 0.5%	g/cm3	ISO 1676
Gel time*	7 -10	min	*

* 100 gr resin UP - 940 with 1 gr cobalt octoate 1% metal and 1 gr MEKP at 25°C.

Properties of cast resin :

Specific	Amount	Unit	Standard
Tensile strength	60 - 80	MPa	ISO 527
Elongation at break	3-4	Percent	ISO 527
HOT	65 + 3	°C	ISO 75
Hardness	40 min	Barcol	ASTM D 2583

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