

Chemical / physical nature:

UP - 1100 is an orthophthalic high reactivity unsaturated polyester resin with medium viscosity. This resin has an optical initiator and is designed for quickly UV curing application. UP- 1000 produces a non-sticky surface with very high hardness.

Major application:

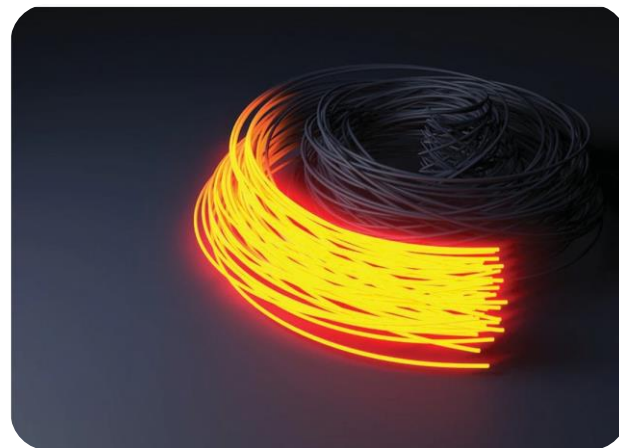
UP - 1100 is intended for production of pastes, gel-coats and glass reinforced that can be cured with UV and sunshine without any catalyst.

Stability:

Under the above mentioned storage condition the stability of UP - 1100 will be 4 month ex work.

Storage:

UP - 1100 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	Slightly hazy		
Solid content	62 + 2	Percent	ISO 3251
Acid Value	Max: 30	mg KOH/g	ISO 2114
Viscosity of SMC,BMC resin	400-600	CPS	ISO 2555
Density	1.13 + 0.5%	g/cm3	ISO 1676

Properties of cast resin :

Specific	Amount	Unit	Standard
Tensile strength	60 - 70	MPa	ISO 527
Elongation at break	3-4	Percent	ISO 527
Elongation at break	2-3	Percent	ISO 527
HOT	70 + 2	°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.