

### Chemical / physical nature:

UP - 710 is an Orthophthalic unsaturated polyester resin with high reactivity and consumer's required viscosity.

### Major application:

Polyester UP-710 is a suitable resin for making artificial stones by STONE BLOCK method based on carbonate additives.

### Stability:

Under the above mentioned storage condition the stability of UP - 710 will be 4 month ex work.

### Storage:

UP - 710 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	63+ 2	Percent	ISO 3251
Acid Value	Max: 20	mg KOH/g	ISO 2114
Viscosity of SMC,BMC resin	200-500	CPS	ISO 2555
Density	1.13 + 0.5%	g/cm3	ISO 1676
Gel time*	20- 30	min	*
Exothermic Peak	110 - 140	°C	*
Exothermic time	60-80	Min	*

\* 100 gr resin UP - 710 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
Tensile modulus	2-4	MPa	ISO 527
Elongation at break	3-5	Percent	ISO 527
HOT	50 + 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.