

### Chemical / physical nature:

UP-330 resin is a resin based on orthophthalic acid and neopentyl glycol and modified by acrylic monomers with medium viscosity, high reactivity and special resistance to atmospheric conditions and UV light.

### Major application:

UP-330 resin is suitable for the production of special artificial stones (solid surface) due to its chemical nature and very high chemical and optical resistances.

### Stability:

Under the above mentioned storage condition the stability of UP - 330 will be 4 month ex work.

### Storage:

UP - 330 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

### Attributes:

- High chemical resistance
- Resistance to color change due to spilled food
- Resistance to solvents
- Resistance to sunlight
- Very high powder consumption
- Resin bottom color



### Technical information:

Specific	Amount	Unit	Standard
Solvent	Styrene		
Appearance	Viscose liquid		
Solid content	60 + 2	Percent	ISO 3251
Acid Value	Max25	mg KOH/g	ISO 2114
Viscosity of SMC,BMC resin	300-800	CPS	ISO 2555
Density	1.13 + 0.5%	g/cm3	ISO 1676
Gel time*	10 -20	min	*
Exothermic Peak	160 -180	°C	*
Exothermic time	15 - 40	Min	*

\* 100 gr resin UP - 330 with 4 gr cobalt octoate 0.1% metal and 1 gr MEKP at 25°C.

### Properties of cast resin :

Specific	Amount	Unit	Standard
Tensile strength	65 - 75	MPa	ISO 527
Tensile modulus	4-7	MPa	ISO 527
Elongation at break	3-5	Percent	ISO 527
HOT	50 + 2	°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.