

Chemical / physical nature:

UP-730 resin is an unsaturated polyester resin based on orthophthalic acid and neopentyl glycol modified by acrylic monomers with medium activity and suitable viscosity for producing artificial stone based on Burton technology.

Major application:

UP-730 resin is suitable for the production of artificial stone based on Burton technology.

Storage:

UP - 730 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	65+ 2	Percent	ISO 3251
Acid Value	Max: 25	mg KOH/g	ISO 2114
Viscosity of SMC,BMC resin	450-600	CPS	ISO 2555
Density	1.12 + 0.5%	g/cm3	ISO 1676
Gel time*	5-9	min	*
Exothermic Peak	195 - 230	°C	*
Exothermic Time	8 - 15	Min	*
Water absorption	Max:7.5	Percent	ISO 3521

* 100 gr resin UP - 730 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 - 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.

Stability:

Under the above mentioned storage condition the stability of UP - 730 will be 4 month ex work.

Attributes:

- Compatible with silica and quartz powders
- Appropriate flexibility
- Resistant to wear
- Compatible with Silane additives
- Appropriate appearance color
- Excellent resistance to atmospheric conditions and sunlight

