

Chemical / physical nature:

UP - 204 is an isophthalic unsaturated polyester resin with medium viscosity, high reactivity and good resistance to weather conditions and UV.

Major application:

UP-204 is designed for use in Pultrusion systems. However, this resin can be used in other systems, such as hand lay-up and filament winding.

Stability:

Under the above mentioned storage condition the stability of UP-204 will be 4 month ex work.

Storage:

UP - 204 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	62 + 2	Percent	ISO 3251
Acid Value	Max20	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*	1 - 3	min	*

* 100 gr resin UP - 204 with 1-3 gr benzoyl peroxide, mold temperature: 100-150 °C

Properties of cast resin :

Specific	Amount	Unit	Standard
Tensile strength	80 - 90	MPa	ISO 527
Tensile modulus	3-5	MPa	ISO 527
Elongation at break	5-7	Percent	ISO 527
HOT	90 + 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.