



Low Profile Resin LP-100

Chemical / physical nature

LP – 100 is thermoplastic polymer solution in styrene, designed to be used as a low shrink additive.

Major applications

The LP - 100 is added to polyester and vinyl ester resins during formulation to improve surface finish and avoid shrinkage. The use of LP-100 varies depending upon the nature of the unsaturated polyester resin from 10% to 30%. This resin especially used as low shrink additive for SMC or BMC formulations.

Specification

Specific	Amount	Unit	Standard
Solvent	Styrene	-----	-----
Color	Clear	-----	-----
Solid content	30 ± 2	Percent	ISO 3251
Acid value	Max 1	mg KOH/g	ISO 2114
Density	1 ± 0.5%	g/cm ³	ISO 1675
Viscosity	2000-4000	cps	ISO 2555

Performance guidelines

Keep LP-100 levels between 10 – 30 % of the total polyester resin weight for SMC or BMC formulations.

In other applications, this resin should be mixed with polyester resin before use and the prepared mixture should be used immediately. If the mixture is not used for a long time, the mixing procedure must be repeated before use.

Storage

LP – 100 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.

Stability

Under the above mentioned storage condition the stability of LP - 100 will be 6 month ex work.