



TECHNICAL BROCHURE – UNSATURATED POLYESTER RESINS

GRADE : VBR 5621 – IMPREGNATING RESIN

VBR 5621 is a medium reactive low viscous unsaturated Polyester Resin designed for the production of electrical insulation component by impregnation process. VBR 5621 is a solvent less two component (Resin & Hardener) pigmented Resin system suitable for stoving applications. VBR 5621 shows crack free hardening with good coverage on the surface and compatible with punching grease under simple processing condition.

PROPERTIES OF LIQUID RESIN	
Appearance	Whitish liquid
Viscosity at 25° C, B4 Cup	50 - 70
Viscosity@25°C Brookfield Viscometer LV DV II + Pro S63,rpm60	400 - 600
Specific gravity at 25° C gm/ml	1.50 - 1.60
Volatile content, %	22 - 26
Gel time at 25° C, minutes*	20 - 30

* 2 ml of VBR 1208 in 100 g of VBR 5621 Resin

PROPERTIES OF CURED RESIN FILM

The specimen plates are prepared by dip coating with a mixture of VBR 1208 two ml and VBR 5621 hundred gm at room temperature followed by curing at 140° C for 2 hrs. After curing, the film shows good heat dissipation characteristics, mechanical and dielectric strength with excellent chemical & solvent resistant. VBR 5621 shows strong surface bonding with good impact strength by a tough and hard surface film. Since, the cured films of VBR 5621 shows a temperature index of 180°C; it can be used for components of thermal class H.

APPLICATION

VBR 5621 is meant for the coating of electrical components. Due to its pigmentation VBR 5621 is suitable for the impregnation of electrical components without any subsequent color coating.



Vasavibala Resins (P) Ltd.

POLYMER DIVISION
Manufacturers of Unsaturated Polyester Resins

STORAGE

VBR 5621 should be stored in closed containers inside covered area. The storage temperature not exceeding 30°C is preferable. At higher storage temperature, the shelf life decreases sharply. It should not be exposed to direct sunlight, heat radiation and moisture; these may cause premature gelation. VBR 5621 is guaranteed for 3 months from the date of manufacture provided the storage conditions are strictly adhered to.

PACKING

225 Kg. coated steel barrels.