



PRF

Composite Materials

Epoxy Resin Systems Selector Guide

- Resin Systems
- Polyester Gelcoat Resins

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Resin	Hardener	Ultimate Tg (°C)	Viscosity (mpa·s @ 25°C)	Pot life (mins)	Thin film gel time @ 25°C
RS-L135	RS-H133 RS-H135 RS-H136 RS-H137 RS-H138	85 - 90	500 - 1000	25 - 720	4 - 20 hours
RS-M135	RS-MH134 RS-MH137	85 - 90	200 - 250	20 - 240	-
RS-M235	RS-MH235 RS-MH236 RS-MH237 RS-MH238	85 - 95	200 - 250	10 - 600	3 - 24 hours
RS-L285	RS-H285 RS-H286 RS-H287	100 - 105	300 - 500	40 - 260	2 - 6 hours
RS-L418	RS-H418	120 - 125	600 - 800	180 - 240	5 - 6 hours
RS-L485	RS-H485 RS-H486 RS-H487	125 - 145	300 - 600	10 - 150	-
Flexibiliser RS-V51	-	-	30 - 80	-	-
Polyester Gelcoat Resins					
RS-T30/RS-T35	RS-SF10 / RS-SF2	-	-	30 - 45	100 - 150 minutes

EPOXY RESIN SYSTEMS

Resin	Cure cycle	Post cure	Storage life		Processing method	Applications
			-18°C	20-25°C		
RS-L135	24 hours @ 25°C	10 hours @ 80°C	n/a	12 months	Wet layup, filament winding, Pressure moulding, pultrusion, vacuum bag moulding.	Boats and shipbuilding, wind energy turbine blades, sports equipment, models.
RS-M135	24 hours @ 25°C	10 hours @ 70°C	n/a	12 months	Injection moulding, vacuum infusion, pultrusion.	Boats and shipbuilding, wind energy turbine blades, sports equipment.
RS-M235	24 hours @ 25°C	15 hours @ 80°C	n/a	12 months	Injection moulding, vacuum infusion, pultrusion.	Rotor blades for wind turbines, boat and shipbuilding, sports equipment, model construction, tooling and moulding.
RS-L285	24 hours @ 25°C	15 hours @ 80°C	n/a	12 months	Wet layup, filament winding, pressure moulding, injection moulding, vacuum infusion moulding, pultrusion, vacuum bag moulding.	Gliders, motorgliders, boats automotive, sports equipment, and other high performance products, low temperature moulds & tools.
RS-L418	24 hours @ 25°C	20 hours @ 100°C	n/a	12 months	Wet layup, filament winding, pressure moulding, vacuum infusion moulding, pultrusion, vacuum bag moulding.	Gliders and motorgliders, powered aircraft and helicopters, boats and automotive, mould and jig construction, sports equipment and other high performance products.
RS-L485	6 hours @ 45°C	3 hours @ 120°C	n/a	12 months	Wet layup, vacuum infusion, vacuum bag moulding.	Applications that require high heat resistance, aerospace, automotive, tooling and moulding.
Flexibiliser RS-V51	-	-	-	12 months	For use in epoxy systems to increase the flexibility of the cured resin.	-
Polyester Gelcoat Resins						
RS-T30/RS-T35	5 - 6 hours @ 25°C	2 - 3 days @ 25°C	6 months	3 months	Spraying, brushing, rolling, blade coating.	Aircraft, automotive, model making.

Find out what PRF can do for your business

Make an enquiry today at:

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Important Notice

All statements, technical information and recommendations offered are only for consideration and evaluation. Whilst they are believed to be accurate they are not guaranteed and are provided without warranty of any kind. No undertaking is given that the goods/products supplied are fit for its particular purpose. The buyer/user shall assume all risks and liabilities in connection therewith.

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Prepreg



Reinforcements



Resin



Aerospace Adhesives



Shears



Tooling Block



Mould Release



Consumables