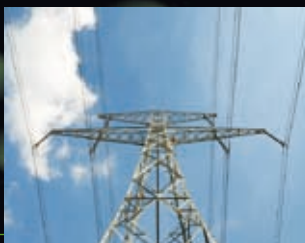


Electro composites

Powered by **Araldite®** casting systems

Electro Composites are semi-finished products for usage in electrical engineering such as press-boards, flexible and rigid sheets, pre-pregs, rods, tubes and tapes. They are manufactured with matrix resins reinforced by fibres, filaments and fabrics.

Araldite® matrix systems provide low viscosity to ensure good impregnation combined with excellent mechanical and electrical insulation properties covering a broad Tg range. The systems can be processed by pultrusion, filament winding and vacuum impregnation. The range of impregnation systems is complemented by a casting system for composite insulator housings providing a package together with the matrix system for the rods



> Araldite® impregnation systems for composite insulator rods and tubes



> Araldite® casting system for composite insulator sheds

Applications

- > Impregnation Systems for HV bushings, Composite Insulator Rods and Tubes
- > Casting System for Composite Insulator Sheds

Adhesives

Cast resin distribution transformers

Electro composites

Generators and motors

Instrument transformers

Insulators & bushings

Switchgears

POWER FROM



Electro composites Powered by Araldite® casting systems

Product Name	Mix Ratio	Tg	Viscosity at 25°C	Flexural Strength	Manufacturing Process	Main Features	Type
Unit	pbw	°C	mPa.s	MPa			
Araldite® MY 740 / Aradur® HY 918 / Accelerator DY 062	100 / 85 / 1.3	125	700	160	Filament winding / pultrusion / vacuum impregnation	Standard system with high mechanical performance.	Impregnation systems for composite insulator rods and tubes.
Araldite® MY 740 / Aradur® HY 5917-1	100 / 85	125	1000	140	Filament winding / Pultrusion	Decarboxylation-free (low risk of bubble formation), for high quality translucent rods.	Impregnation systems for composite insulator rods and tubes.
Araldite® MY 740 / Aradur® HY 906 / Accelerator DY 070	100 / 95 / 1.2	170	1500	145	Filament winding / Pultrusion	High Tg system with good mechanical properties.	Impregnation systems for composite insulator rods and tubes.
Araldite® CY 179 / Aradur® HT 907 / Accelerator DY 072	100 / 105 / 8.5	155	280	100	Filament winding / Pultrusion	Low viscosity standard system for high Tg.	Impregnation systems for composite insulator rods and tubes.
Resin XB 5829 / Hardener XB 5830	100 / 160	20	4000	Semi flexible	Automatic pressure gelation	Araldite® S-HCEP: cost effective, hydrophobic, housing material for composite insulators (sheds), high tracking and erosion resistance, easy processing, no primer treatment.	Casting system for composite insulator sheds.
Resin XB 5860 / Aradur® HY 1235	100 / 85	130	650	170	Vacuum impregnation	Very good mechanical properties, preaccelerated, low exothermic reaction.	Impregnation systems for HV bushings.
Araldite® MY 740 / Aradur® HY 1102 / Accelerator DY 062	100 / 90 / 0.2	140	1000	115	Vacuum impregnation	Standard system with variable accelerator amount.	Impregnation systems for HV bushings.

More detailed information about these products can be found on our website : www.huntsman.com/power
For any other information, please send an e-mail to : power@huntsman.com

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