

Cast resin distribution transformers

Powered by **Araldite®** casting systems

The cast resin distribution transformer application is one of the fields where Araldite® systems have gained their long successful experience.

Our Araldite® product range fulfils the very demanding requirements on insulation systems. General requirements for cast resin transformers are high crack resistance, slow curing process to avoid internal stresses and the high thermal class where Huntsman has always been the innovator.

This and a well balanced profile of other important properties are provided in our recommended Araldite® systems which show, for this application, only a selection of our whole product range covering all specific customer needs and applications.



> Araldite Class H Casting systems.
By courtesy of Chint China

Adhesives

Cast resin distribution transformers

Electro composites

Generators and motors

Instrument transformers

Insulators & bushings

Switchgears

POWER FROM



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Product Name	Mix Ratio	Tg	K _{IC}	Thermal Class	Manufacturing Process	Main Features
Unit	pbw	°C	MPa√m			
Araldite® CW 229 / Aradur® HW 229	100 / 100	115	2.9	H	Vacuum casting	Wollastonite prefilled system, low thermal expansion coefficient, high crack resistance, moderate reactivity, UL 746 B recognition for 200°C service temperature.
Araldite® CY 5538 / Aradur® HY 5571-1 / Filler Silica	100 / 100 / 390	55	3	F	Vacuum casting	Low viscosity, low Tg, high filler load.
Araldite® CY 5538 / Aradur® HY 5571-1 / Filler Al(OH) ₃ Silica	100 / 100 / 310 / 80	55	2.1	F	Vacuum casting	Suitable for flame retardant cast resin transformers fulfilling IEC 60076-11 F1 E2 C2, low viscosity, low Tg, high filler load.
Araldite® CY 5980 / Aradur® HY 5980 / Accelerator DY 5985 (glass fiber)	100 / 95 / 2	100	-	H	Vacuum impregnation	High thermal stability low viscosity system, high glass fiber load possible.
Araldite® CY 5980 / Aradur® HY 5980 / Flexibilizer DY 040 / Accelerator DY 5985 / Filler Silica	100 / 95 / 13 / 2 / 410	70	2.8	H	Vacuum casting	High thermal stability, flexibilized, low viscosity system.
Araldite® CY 5948 / Aradur® HY 925-1 / Filler Silica	100 / 80 / 350	85	-	H	Vacuum casting	UL 746 B recognition for 200°C service temperature.
Araldite® CY 225 / Aradur® HY 227 / Filler Silica	100 / 100 / 300	65	3	F	Vacuum casting	Standard system with long experience, very high crack resistance.
Araldite® F / Aradur® HY 905 / Flexibilizer DY 040 / Accelerator DY 062 / Filler Silica	100 / 100 / 10 / 1 / 410	95	2.8	F	Vacuum casting	Multi purpose standard system with long experience, high crack resistance.
Resin XB 5942 / Hardener XB 5943	100 / 100	55	2.4	F	Vacuum casting	Prefilled, low viscosity, low Tg system to meet IEC 60076-11 requirements F1 E2 C2.
Araldite® CW 5848 / Aradur® HW 5848	100 / 80	85	2.8	F	Vacuum casting	Latent, prefilled, hot-curing cast resin system. Convenient for processing and excellent impregnating performance.

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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