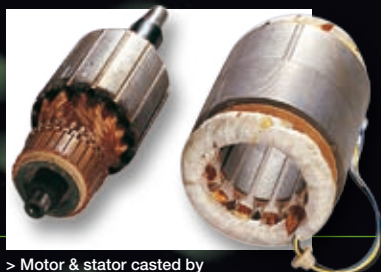


Generators and motors

Powered by **Araldite®** casting systems

Araldite® and Aradur® casting and impregnation systems can be used in all insulation components of motors and generators thanks to their high mechanical strength, the strong adhesion to various metals and substrates and their excellent dielectric properties. The low resin viscosity ensures homogenous impregnation.

The materials have very high temperature resistance and withstand extreme thermal cycling in service. The trend to an increased power output, higher integration density and decreased size for generators and motors requires thermal management. Our heat conductive products are the ideal solution to dissipate the heat.



> Motor & stator casted by Araldite® systems



> Large rotating machine casted by Araldite® systems

Applications

- > Small Coils & Motors
- > Large Rotating Machines

Adhesives
Cast resin distribution transformers
Electro composites
Generators and motors
Instrument transformers
Insulators & bushings
Switchgears

POWER FROM



Generators and motors

Powered by Araldite® casting systems

Small Coils and Motors

Product Name	Mix Ratio	Tg	Viscosity at 25°C	Thermal Class	Manufacturing Process	Main Features
Unit	pbw	°C	mPa.s			
Araldite® CY 246 / Hardener XB 5911	100 / 32	145	2500	F	Trickle impregnation / Dip rolling	DDM free standard system, for motors above 500 W.
Araldite® CY 236 / Hardener XB 5979	100 / 30	95	1500	F	Trickle impregnation / Dip rolling	DDM free standard system, low Tg for higher flexibility, for motors below 500 W.
Araldite® CW 229 / Aradur® HW 229	100 / 100	115	10 Pas (at 40°C)	H	Vacuum casting / Automatic pressure gelation	Wollastonite prefilled system, low thermal expansion coefficient, high crack resistance, moderate reactivity, best suited for vacuum casting, UL 746 B recognition for 200°C service temperature.
Araldite® CW 229 NPC / Aradur® 229 NPC	100 / 100	115	15 Pas (at 40°C)	H	Automatic pressure gelation	No post cure grade of Araldite® CW 229 / Aradur® HW 229, UL 746 B recognition for 200°C service temperature.

Large Rotating Machines

Product Name	Mix Ratio	Tg	Viscosity at 25°C	Thermal Class	Manufacturing Process	Main Features
Unit	pbw	°C	mPa.s			
Resin XD 4410	1-component	125	1500	F	Vacuum pressure impregnation	1-component, excellent dielectric properties.
Araldite® MY 790-1 CH / Aradur® HY 1102 / Accelerator DY 9577 / Accelerator DY 073-1	100 / 90 / 0.16 / 0.04	143	400	H	Vacuum pressure impregnation	Standard system, thermal class H, high Tg.
Araldite® CY 192-1 / Aradur® HY 918	100 / 100	92	400	F	Vacuum pressure impregnation	Outstanding arc and tracking resistance, high flexibility and crack resistance.

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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