















VACUUM PRESSURE IMPREGNATION PRODUCTS

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Vacuum pressure impregnation (VPI) is used when the penetration and filling factor of the resin needs to be maximised. P.A.R. offers a wide range of products to suit different processing and technical characteristics.

Product	Chemistry	Temp rating*	Viscosity @ 25°C (cPs)	Typical curing Temperature	Properties
DAP POLYESTER					
DOLPHON® CC-1105 	DAP Polyester	200°C	400 - 700	150°C	Low odour, low viscosity. High stability & excellent bond strength
DOLPHON® CC-1105/HTC 	DAP Polyester	200°C	5,000	150°C	CC-1105 with higher thermal conductivity
DOLPHON® CC-1305 	DAP Polyester	180°C	2,000 - 2,500	120 - 150°C	Flexible film, increased build-up, ideal for transformers
MONOMER-FREE POLYESTER					
DOLPHON® XL-2102 	Acrylic Polyester	180°C	400 - 700	150°C	Low odour, low viscosity. High stability & excellent bond strength. EN45545-2 Railway approval
DOLPHON® XL-2103 	Acrylic Polyester	180°C	2,500 - 3,000	150°C	Thixotropic, high build, excellent stability, ideal for transformers
DOLPHON® XL-2110 	Acrylic Polyester	180°C	600 - 900	150°C	Excellent stability, strongly reactive. Cost effective XL-Series resin
DOLPHON® XL-2112 	Acrylic Polyester	200°C	1,700 - 2,000	150°C	Excellent stability, good flexibility. No hazardous labelling under new GHS system
HYBRID DAP POLYESTER/EPOXY					
DOLPHON® CC-1144 	DAP Polyester/ Epoxy	200°C	1,300 - 1,800	150°C	Low odour, excellent stability. Increased build-up with outstanding bond strength, freon resistant
DOLPHON® CC-1144/LV 	DAP Polyester/ Epoxy	200°C	700 - 1,300	150°C	Lower viscosity version of CC-1144
EPOXY					
DOLPHON® CC-1115/LV 	Epoxy	180°C	2,000 - 3,000	150°C	Superior moisture & chemical resistance. High bond strength
DOLPHON® CC-1118/LV 	Epoxy	180°C	4,000 - 8,000	150°C	High dielectric values, withstands water submersion to MIL-M-1760E. EN45545-2 Railway approval. Thixotropic
DOLPHON® CC-1180/LoV 	Epoxy	180°C	300 - 800	150°C	High moisture & chemical resistance, low viscosity
DOLPHON® CC-1180/HRB 	Epoxy	180°C	3,000 - 5,000	150°C	High moisture & chemical resistance, good adhesion, high build-up
DOLPHON® CC-1180/HVi 	Epoxy	180°C	2,000 - 3,000	150°C	High moisture & chemical resistance, good adhesion

*UL 1446 Twisted pairs on MW35 wire. UL certified component 