



EP 138 processed by AGN Composites to produce finished parts for Dissident Automotive

ebalta produce a range of epoxy tooling boards for both patterns and direct tooling applications. EP 138 was selected by AGN Composites due to its high temperature resistance, thermal stability and excellent surface finish.

The blocks were first bonded with our Adhesive 551 before being machined and finished by AGN Composites. The moulds were sealed with sealer 02 and released typically using Release Agent 17. The finished moulds were then used with a low temperature tooling pre-preg to produce production tooling. High quality carbon fibre parts were then produced for Dissident Automotive.

AGN Composites began working within the motor-sport sector and fast established itself as a leading composites supplier providing component manufacturing services and repair services to winners at Le Mans, the British Touring Car Championship, British GT Championship, Le Mans Series, World Endurance Championship (WEC) and British Superbike Championship.

Through a program of constant investment and organic growth the team of 3 directors have built a business that delivers high quality composite components with reliable component delivery scheduling. It offers a genuine end to end service from concept through to delivery all under one roof

Dissident Automotive LTD supplies high quality OEM+ components of its own designs globally. Having launched in late summer 2023 it has already supplied customers in the UK, France, Italy, Romania, Singapore, Malaysia and North America.

Its ethos is to provide non invasive components that fit easily with no permanent modification (cutting, drilling, bonding) to the car required which are reversible to standard should the customer wish. The parts are all handmade in UK in pre-preg carbon fibre and composite materials and allow customers to directly replace standard plastic trim pieces with Dissidents unique designs. Fitment is fast an easy with OEM levels of fit quality.



DISSIDENT
AGN

ebalta
solution takes shape

epoxy boards from ebalta for prepreg tooling and direct tooling.

Produkt	ebaboard EP 120	ebaboard EP 138	ebaboard EP 139	ebaboard EP 180
Colour	blue	light blue	ice blue	green
Applications	Prepreg tooling, master models for prepreg tooling, moulds and tools for composites	Prepreg tooling, master models for prepreg tooling, moulds and tools for composites	Prepreg tooling, master models for prepreg tools, moulds and tools for composites	Direct tooling, composite moulds, prepreg tools, vacuum forming tools
Density at 20°C (g/cm ³)	0.90 ± 0.02	0.68 ± 0.02	0.66 ± 0.02	0.70 ± 0.02
Compressive strength (MPa)	69 ± 3	53 ± 4	65 ± 4	49 ± 0.9
Shore D hardness	76 ± 3	69 ± 3	69 ± 3	72 ± 3
Heat resistance (HDT) (°C)	120 ± 3	145 ± 3	>150	174 ± 3
Coefficient of thermal expansion (10 ⁻⁶ K ⁻¹)	approx. 38	approx. 36	approx. 34	approx. 56
Sales units (mm)	1524 x 609 x 50 1524 x 609 x 75 1524 x 609 x 100 1524 x 609 x 150	1524 x 609 x 50 1524 x 609 x 75 1524 x 609 x 100 1524 x 609 x 150	1524 x 609 x 50 1524 x 609 x 75 1524 x 609 x 100 1524 x 609 x 150	1524 x 609 x 50 1524 x 609 x 75 1524 x 609 x 100 1524 x 609 x 150
Adhesive	Adhesive 552			
Sealer	Sealer 02 Sealer 09			
Release Agent	Release Agent 17			

The epoxy boards from ebalta offer mechanically constant properties, are very heat resistant and have a very fine surface structure. This makes them ideal as moulds and tools for composites - as prepreg master pattern and for direct tooling or high-frequency welding.

We are at your disposal for your questions and concerns: Our product manager Michael Fink, phone: +49 9861 7007-14, e-mail: mfink@ebalta.com as well as our international distributors worldwide are happy to support you.

We look forward to meeting you!



Sealed EP 138 pattern

shaping sustainable solutions.



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