

Injection moulding, RTM, S-RIM, Infusion

## Advantex® glass

Advantex® glass has been formulated to be a boron-free E-glass and to possess significantly improved corrosion resistance across a wide range of aggressive environments. Advantex® glass is both an E-CR glass and an E-glass in accordance with ASTM D578 and ISO 2078.

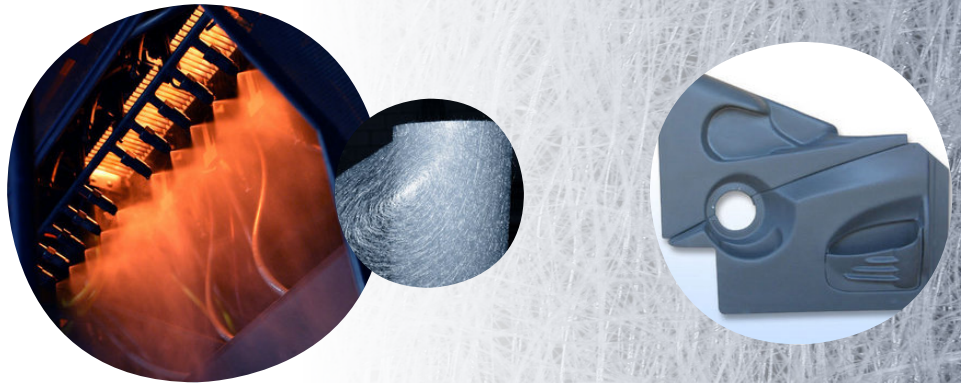
This translates into important benefits for our customers over traditional E glass: longer service life, larger safety coefficients for the same design, and material savings.

Traditional E-glass includes boron and often contains added fluorides. By using new manufacturing technology to eliminate these components from the glass composition, Advantex® has become a benchmark for integrated pollution prevention and the highest energy efficiency – all in an optimized process.

3B measures its efforts to minimize impact on the environment by establishing environmental footprint diagrams that compare traditional E-glass production with an Advantex® manufacturing platform. 3B is continually working to minimize its impact on the environment and to set new standards within the global fibreglass industry. This is our commitment.

## CM 4020

### CFM for Closed Mold Process



#### Product Description

3B Continuous Filament Mat is a non-woven mat made out of Advantex® filaments, consisting of continuous fibres randomly oriented in multiple layers. The glass fiber is bonded with silane coupling agent and the layers held together with a suitable binder. The CFM products contain an insoluble binder compatible with both unfilled or filled unsaturated polyester, vinyl ester, epoxy and polyurethane resin systems. The CM 4020 mat is ideally suited for injection moulding,

RTM and S-RIM processes. The CM 4020 mat has a high rigidity which helps to work with large CFM cuts without losing fibres. The excellent mechanical properties provided by CM 4020 combined with the good electrical properties of the resins make the moulded parts attractive for applications like electrical apparatus (high voltage), transportation and automotive industries, infrastructures equipments.

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>• Insoluble Binder</li> </ul>	<ul style="list-style-type: none"> <li>• Easy unrolling, cutting and handling of the mat without losing the mat integrity even with large parts.</li> <li>• Good resistance to washing effect under injection pressure.</li> </ul>
<ul style="list-style-type: none"> <li>• Low bundle tex</li> </ul>	<ul style="list-style-type: none"> <li>• Improved mechanical properties of the laminate</li> </ul>

