



INNOVATIONS FOR LIVING™

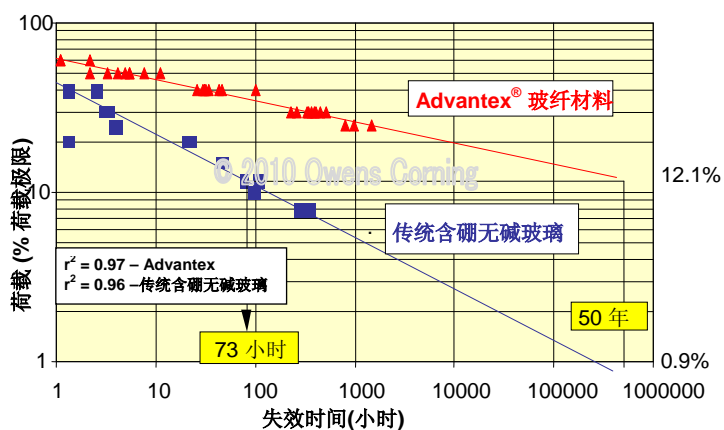
产品介绍

Advantex®无硼 E-CR 玻纤增强复合材料在腐蚀性环境中的性能表现优于传统含硼 E-玻纤材料

复合棒应力断裂测试 – 对暴露在各种腐蚀性环境中、同时处于应力之下的复合棒进行实际性能测试。

正常酸性环境下(HCl - H2SO4)复合棒的应力断裂试验

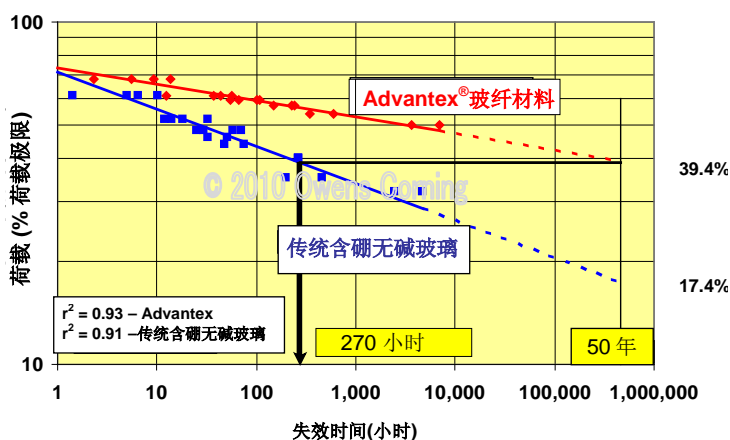
与传统含硼无碱玻纤制成的层压板相比，Advantex®玻纤材料在酸性环境里的应力性能可高达前者的 12 倍。两种材料的性能差异还体现在：当暴露在 10% 的盐酸环境里，加载一个相同的载荷，使得 Advantex®玻纤增强的层压板失效期限为 50 年，则传统含硼无碱玻纤增强的层压板 4 天后就失效。



在酸性环境里，Advantex®玻纤增强的层压板，其应力性能是传统含硼无碱玻纤增强的层压板的 12 倍。

自来水和去离子水中的复合棒应力破裂试验

在自来水和去离子水中，Advantex®玻纤增强复合材料的性能明显优于传统含硼无碱玻璃。在给定应力水平下，凭借其耐腐蚀配方，Advantex®玻纤材料在失效时间上的表现至少超出传统含硼无碱玻纤材料 50 倍。如此卓越的表现令您高枕无忧。

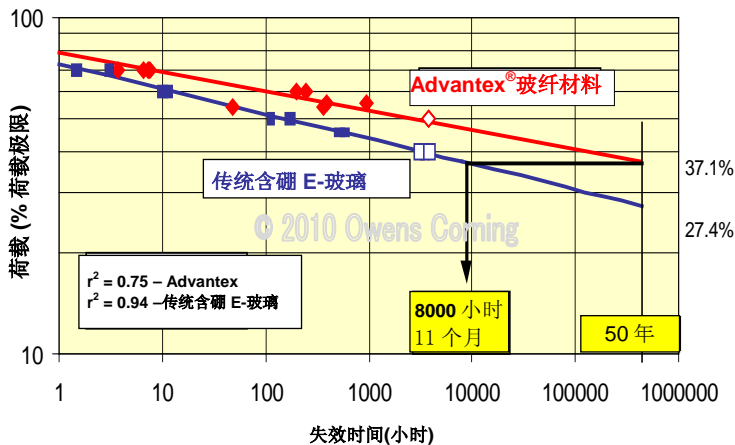


在水腐蚀的环境里使用 Advantex®玻纤，能有效提升材料性能。

Advantex®无硼 E-CR 玻纤增强复合材料在腐蚀性环境中的性能表现优于传统含硼 E-玻纤材料

5%盐水环境里的复合棒应力断裂试验

盐水对钢和铝的腐蚀性极强，而对于复合材料的影响不大。盐水中的层压板蠕变断裂试验表明：Advantex®玻纤增强复合材料的性能大大优于传统含硼无碱玻璃复合材料。Advantex®玻纤增强复合材料的有用应力水平可达后者的 50% 以上。同时，在给定应力水平下，Advantex®玻纤材料在失效时间上的表现也至少超出传统含硼无碱玻纤材料 50 倍。



在海水中，Advantex® 玻纤复合材料的性能优于传统材料 50 倍。

TAKE RISK OUT – PUT ADVANTEX® GLASS IN

欧文斯科宁业务遍布全球

用完整的Advantex®产品系列支持客户的各种应用需求，产品包括玻纤材料、技术织物和特种产品等。

如今，大多数欧文斯科宁产品都采用了Advantex®玻璃配方。欧洲、亚太和拉美的制造工厂正在逐步转向Advantex®玻璃配方，而北美的工厂则已经100%采用Advantex®玻璃配方。

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