ZOTEFOAMS

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NEW ZOTEK® F HT LS FOAM EXHIBITS VERY LOW OSU HEAT-RELEASE VALUES

A new closed-cell foam manufactured by Zotefoams Plc, the world's leading manufacturer of cross-linked block foams, has exhibited exceptionally low OSU* heat-release results, allowing it to meet the OSU heat-release requirements demanded by the aviation industry. Manufactured from a Kynar® PVDF resin with a low-smoke additive, the ZOTEK® F 40 HT LS foam also conforms to the stringent FAR 25.856(a) radiant-panel test required for thermal and acoustic insulation applications in the aviation industry.

ZOTEK® F 40 HT LS foam was recently tested at 13mm and obtained a heat-release value totalling 14.0 (kW*min/m^2) and a peak heat-release value of 12.2 (kW / m^2). Compared with ZOTEK® F 30 foams, the results at 13mm were 16 (kW*min/m^2) for total heat release and 32 (kW / m^2) for peak heat release. Thanks to these exceptionally low heat-release values, the material also has excellent potential in combination with leather, adhesive and decorative laminates for interior applications that require compliance with OSU 65/65 heat-release parameters.

The most unique and beneficial feature of ZOTEK® F foams is the capability to thermally mould the foam into complex three-dimensional shapes. The material can be thermo-formed, compression-moulded and thermally bonded to create uniquely functional parts.

* Please note the term “OSU” stands for Ohio State University. The OSU heat release model was developed by Professor Smith and several graduate students at the Ohio State University between 1980 and 1987 as a method for determining the release rates of heat from materials, products, or assemblies.

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