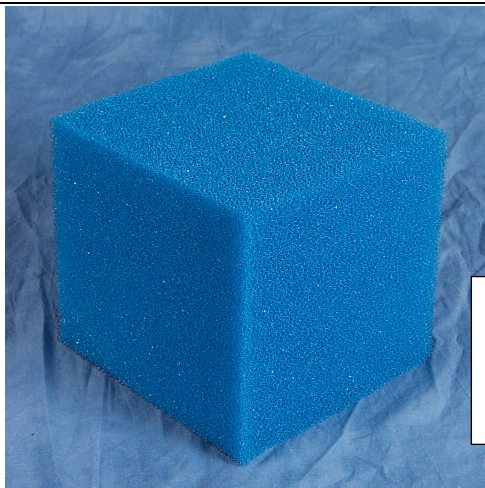




Data Sheet

AHF013 Explosion Suppressant Foam



Originally designed for use in military applications as an explosion suppressant, the foam was quickly adopted by the motorsport industry for its hugely effective baffle properties. We have made use of TM15 since the early '90s, with the foam being used in motorcycles as well as cars, both on and off road.

Features

Low weight, low displacement foam that is easy to cut with simple tools. Available in many stock sizes, as well as custom shapes.

Applications

AHF013 Fuel Foam is genuine raw TM15-ESF reticulated polyurethane foam that is specifically designed to control liquid fossil fuels including Petrol and Diesel inside a fuel tank. Made in the UK, it is extensively used in our own fuel tanks, and is compatible with all Petrol and Diesel blends available at this time.

General Description

Its bright blue colour, makes it instantly recognisable as TM15-ESF. It is designed to give years of trouble free service, and offers many benefits. The first is to help suppress an explosion in the event of an accident. Along with our use of high quality sheet metal and welding filler materials, this benefit is rarely exercised. The foam also has anti-static properties which mitigate the chance of electrostatic sparks arising during refuelling. However, the foam also acts as a fantastically efficient baffle to help control the movement of fuel in the tank during use, and is so effective that it negates the need for traditional sheet metal baffles. The material displaces only a small amount of liquid, less than 3%(typically only 1%), and is particularly light weight at only ~125g per gallon.

We stock the foam in standard sizes, although many custom shapes are available. Standard sizes are as follows:-

Part number	Volume	Dimensions, mm
AHF013-1	1 gallon	200 x 150 x 160
AHF013-2	2 gallons	200 x 300 x 160
AHF013-3	3 gallons	200 x 450 x 160
AHF013-4	4 gallons	200 x 300 x 330
AHF013-5	5 gallons	200 x 450 x 260
AHF013-6	6 gallons	200 x 450 x 310
AHF013-7	7 gallons	200 x 450 x 360
AHF013-8	8 gallons	200 x 450 x 410
AHF013-9	9 gallons	200 x 450 x 460
AHF013-10	10 gallons	200 x 450 x 510
AHF013-12	12 gallons	200 x 450 x 610
AHF013-block	24 gallons	200 x 450 x 1220

It is recommended that the foam is inserted into the tank during manufacture, and that as few pieces are used as possible. Ideally a single piece of foam is used in each tank, although this is rarely possible. Cutting the foam into small pieces and feeding it into the tank through the filler should be avoided. We can supply the range of VDO level senders that are designed specifically to work inside of the foam, something that cannot be said of swing level senders such as those offered by Smiths.