



Product Datasheet

Perma-fil Bulk Wool

E'Glass Bulk Wool

Construction:

Saveguard Perma-fil E'Glass Wool is manufactured from drawn continuous filament E'Glass yarns, that are cut to the required staple length. The staple fibres are then processed using traditional textile machinery to open the fibres and produce a high volume blown wool. Perma-fil Glass Wool's possesses outstanding thermal and acoustic insulation properties and are used primarily in automotive exhaust silencer applications.

Glass Yarns have a minimal amount of surface dressing to assist in processing, this is usually organic i.e. starch or silane and will disappear at temperatures above 200C. Without effecting the performance of the Glass Fibre. Untreated E'Glass Fibres are suitable for continuous use at temperatures of up to 600C in exhaust applications however tensile strength continues to reduce noticeably as temperatures increase above 400C .

Properties:

Glass Fibres: are resistant to oils, solvents and most chemicals although contact with hydrofluoric acids, strong alkalis and live steam should be avoided.
are non combustible.
have a low thermal conductivity.

Colour White

Technical:

Perma-fil E'Glass Wool meets BSAU193a: 1990

The tests prescribed by BSAU193a: 1990 require that the material withstands temperatures of 650C without reduction of fibre length, diameter or bulk density.

The loss of material mass shall not exceed 10.5% after immersion in a synthetic exhaust condensate of the following composition
10ml hydrobromic acid
10ml sulphuric acid
distilled water to make up to 1litre

Chemical:

E'Glass	SiO2	54.1%	Al2O3	15.3%
	CaO	17.3%	MgO	4.7%
	Na2O	0.6%	B2O3	8.0%

Availability

Woven Polypropylene Bales of 150 kilo nominal
Polythene Bags of 20kg
Can also be supplied as made up acoustic pillows enclosed in a variety of high temperature fabrics.
Also available in other glass grades for higher temperatures

Typical Applications:

Loose fill for Exhaust Silencer cans
Infill for acoustic pillows in gas turbine exhaust silencer applications

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