

## Datasheet

# Flame Retardant Thermal Insulating Bulk Fibre, 1 kg

RS Stock number [724-8921](#)



## Description:

RS PRO Bulk Fibre consists of a mass of randomly orientated, normally long, fluffy refractory fibres. This material has an excellent thermal stability and retains its original soft fibrous structure up to maximum continuous use temperature. It contains no binder and a low amount of lubricant but does not emit fumes or smell during first firing.

- Classification Temperature 1300°C (ENV 1094-3)
- Virtually immune to thermal shock
- The fibres are opaque to infra-red and so maintain their low-thermal conductivity to high temperature
- The fibres absorb very little energy on heating
- The fibres are high purity and non-corrosive
- The fibres are resilient and also resistant to mechanical damage
- No reaction with alumina based bricks in application in the range of the typical use temperature
- Exonerated from any carcinogenic classification under nota Q of directive 97/69 EC



## Specifications:

Colour:	White
Specific Gravity:	2.5 g/m <sup>3</sup>
Beaker Value:	Grade 70 un-chopped      650ml
	Coarse Chopped G25      200ml
	Fine Chopped G08      130ml

beaker value is a measure of the fibre length using settling test method. The larger the beaker value the longer the fibre

Specific Heat Capacity at 1090<sup>0</sup>C:      1.22 kJ/kg.K

### Chemical Composition:

SiO <sub>2</sub>	70-80%
CaO + MgO	18-25%
Others	<3%