

Data sheet

ENGLISH

Superwool® XTRA Bulk Fibres

Description

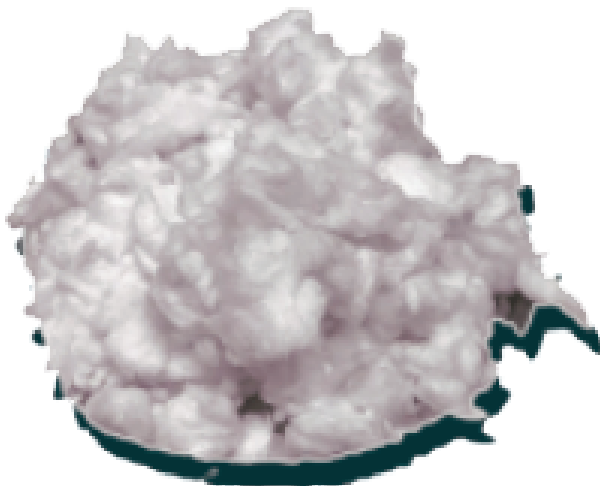
Superwool XTRA Bulk fibres are manufactured from pure raw materials using a new manufacturing technology. In addition to enhanced thermal properties, large nuisance dust particles have been effectively eliminated making the product soft to the touch and less irritating during use.

Superwool XTRA Bulk fibres consist of a loose mass of randomly orientated low bio persistent fibres. Superwool XTRA bulk has excellent thermal stability and retains its original soft fibrous structure up to its maximum continuous use temperature of 1300-1325°C (2372-2417°F).

Superwool XTRA bulk is available both as chopped or unchopped material.

Type

Bulk high temperature insulation wool.



Classification temperature

Superwool XTRA Bulk: 1400°C (2550°F), EN 1094-1

The maximum continuous use temperature depends on the application. The wide range of available densities and thicknesses of the Superwool XTRA product family allows for the most effective deployment of the superior thermal characteristics in a wide variety of applications.

For further advice please contact your local Morgan Advanced Materials business partner.

Melting point

Superwool XTRA has a melting point of 1650°C (3000°F)

Benefits

- Excellent thermal insulating performances
- Exonerated from any carcinogenic classification under Nota Q of directive 97/69EC, certificate available on request
- Does not form crystalline silica when exposed to high temperatures
- Excellent resistance to chemicals and pollutants, especially alkali metals
- High thermal coefficient of expansion to counteract shrinkage in operation
- Excellent thermal stability with time
- Low heat storage
- Immune to thermal shock
- Resistant to water and steam
- Good sound absorption

Applications, typical

- Expansion joints
- Low mass kiln cars
- Thermal and acoustical insulation
- Reinforcement and filler for plastics, resins and paints
- Fillers for mastics, cements

Data sheet

Superwool® XT Bulk Fibres

	Superwool XTRA Bulk Fibre
Classification Temperature, °C (°F)	1400 (2550)
Melting Point, °C (°F)	1650 (3000)
Colour	White
Mean Fibre Diameter, (μ)	3-6
Chemical Analysis, % weight basis after firing	
Alumina, Al ₂ O ₃	32-38
Silica, SiO ₂	27-33
Potassium Oxide, K ₂	23-28
Zirconia Oxide, ZrO ₂	5-9
Magnesium Oxide, MgO	0-1.5

Availability and packaging

Bulk is packed in a plastic bag placed into a carton box. 20 cartons per palette.

Lubricated bulk : 11.33 kg per carton
 Lubricated chopped bulk : 25 kg per carton

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SUPERWOOL is a patented technology for high temperature insulation wools which have been developed to have a low bio persistence (information upon request). **SUPERWOOL** products may be covered by one or more of the following patents, or their foreign equivalents:

SUPERWOOL PLUS and **SUPERWOOL HT** products are covered by patent numbers: US5714421 and US7470641, US7651965, US7875566, EP1544177 and EP1725503 respectively.

A list of foreign patent numbers is available upon request to Morgan Advanced Materials plc.

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