



Alphawool™ Bulk

Product Data Sheet

Product Description

Alphawool bulk consists of a mass of randomly oriented, typically long, fluffy polycrystalline fibres.

Alphawool bulk has an excellent thermal stability and retains its original soft fibrous structure up to maximum continuous use temperature.

Alphawool bulk contains no binder and does not emit fumes or smell during the first use.

Alphawool Bulk fibre is available in two grades: M and M-1. Please contact your local Thermal Ceramics representative, who can recommend the appropriate grade based on your specific application requirements.

Features

- Chemical and thermal stability @ 1600°C (2912°F)
- Low thermal mass and good insulating properties
- Low shot content
- Uniform fibre diameters
- Lightweight
- High resilience

Applications

- For Vacuum Forming Shapes & Boards
- Textiles
- Mastics

Environmental & Health Safety

Polycrystalline Wools are not classified as hazardous in Europe or Asia. They have no requirements for warning labels under GHS (Globally Harmonized System for the classification and labelling of chemicals).

In Europe, Polycrystalline Wools have been registered under REACH and a conclusion of non-hazardous has been reached by the registrants following evaluation of available data. All Morgan Advanced Materials Polycrystalline Wool products are therefore regarded as non-hazardous under the classification and labelling regulation in Europe.

Some types of Polycrystalline Wool are considered as category 2 carcinogens under USA HazCom2012 following their inclusion in the RCF IARC evaluation, however the Alphawool family contains a very low percentage of respirable fibres and is therefore considered to be outside the scope of this inclusion.

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Properties	Alphawool Bulk
Colour	White
Classification Temperature, °C (°F)	1600 (2912)
Shot Content, ≥45µm, %	1
Chemical Structure, Al ₂ O ₃ :SiO ₂ , %	72:28
Specific Gravity, g/cm ³	3.1
Average Fibre Diameter, µm	5.5-7.5

Product Availability

Alphawool bulk fibre is packed in 25 kg cartons.

Please contact your regional Morgan Advanced Materials - Thermal Ceramics representative to support providing specific packaging availability for your local business needs.

The product(s) represented are intended for industrial refractory applications. The values and application information in this datasheet are given for guidance only. The values and the information given are subject to normal manufacturing variation and may be subject to change without notice. Morgan Advanced Materials – Thermal Ceramics makes no guarantees and gives no warranties about the suitability of a product, and you should seek advice to confirm the product's suitability for use with Morgan Advanced Materials.