



Superwool[®] Plus TTT Felt

Product Data Sheet

Product Description

Superwool Plus TTT Felt, with a classification temperature of 1200°C (2192°F), is manufactured using our patented Superwool Plus technology.

Superwool Plus TTT Felt is the newest innovation in our felt product portfolio. Designed to offer excellent performance in demanding high-temperature applications, Superwool Plus TTT Felt is flexible and produces an immediate expansion thickness when exposed to high temperatures. It is an excellent material for filling voids and expansion joints.

Superwool Plus TTT Felt is resistant to chemicals and pollutants, especially alkali metals.

Features

- Low heat storage
- High thermal coefficient of expansion to counteract shrinkage in operation
- Excellent thermal stability
- Immune to thermal shock
- Resistant to water and steam
- Good sound absorption
- Excellent tensile strength

Applications

- Sealing
- Ingot insulation
- Expansion gaskets
- Back-up insulation
- Veneering modules

Environmental & Health Safety

Superwool low biopersistent fibres manufactured by Morgan Advanced Materials are not classified as carcinogenic by IARC or under any national regulations on a global basis. They have no requirements for warning labels under GHS (Globally Harmonised System for the classification and labelling of chemicals).

In Europe, Superwool fibres meet the requirements specified under Note Q of European Regulation EC/1272/2008 (on Classification, Labelling and Packaging of substances and mixtures). All Morgan Advanced Materials Superwool low biopersistent fibre products are therefore exonerated from classification and labelling as hazardous in Europe.

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Properties	Superwool Plus TTT Felt
Region of Manufacture	Asia
Colour	Grey
Classification Temperature, °C (°F)	1200 (2192)
Continuous Use Temperature, °C (°F)	1000 (1932)
Density, kg/m ³ (pcf), EN 1094-1 (2008), as supplied dry	180 (11.1)
Tensile Strength, MPa (psi), EN 1094-1 (2008)	0.08 (11.6)
Loss of Ignition, %	10 - 20
Chemical Analysis, %	
Silica, SiO ₂	62 - 68
Potassium Oxide, K ₂ O	26 - 32
Magnesium Oxide, MgO	3 - 7
Other	<1

Product Availability

Superwool Plus TTT Felt are manufactured in China.

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

Whilst the values and application information in this datasheet are typical, they 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 - Thermal Ceramics.