

TECHNICAL DATA SHEET

POLYCRYSTALLINE ALUMINA FIBRES BULK PRO 1600

Polycrystalline fibres are made from high purity aluminium. A special extrusion process provides the highest degree of chemical purity and the lowest level of defibering. The processing of the fibres ensures that they are extremely resistant to shrinkage and chemicals at high temperatures, while maintaining high flexibility and resilience. Bulk Pro 1600 are designed for temperatures up to 1600 °C.



GENERAL FEATURES

- High temperature stability (up to 1600 °C)
- Low thermal conductivity
- Resistance to thermal shock
- High purity and low silica content provides chemical resistance
- Easy to recycle
- Insoluble in water

COMMON APPLICATIONS

- Wet moulding of panels, shapes and papers
- Expansion joint sealant
- Loose insulation filling of cavities
- Textile production
- Reinforcement for cements and mortars

Chemical composition (% of fibre weight)	
Al ₂ O ₃	95 – 97
SiO ₂	3 – 5
other	< 0,5
Physical properties	
Colour	white
Service temperature (°C)	1600
Melting point (°C)	>2000
Average fibre diameter (microns)	3 – 4
Density (g/cm ³)	3,3 – 3,5
Persistent linear shrinkage (%) 6 hours soak	
1500	<2

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