

# Rosewool Insulation Refractory Co.,Ltd

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## Technical Data Sheet

### Aerogel Blanket

**Aerogel Blanket** is known as the lightest solid material in the world at present.it has the characters of nano pores(1~100nm), low density. low dielectric constant(1.1~2.5), low thermal conductivity (0.013-0.025W'(m·K)), high porosity (80-99.8%). high specific surface area(200~1000m"g) etc., which makes it showing special quality for mechanics, acoustical, thermal, optical and showing promising future in Aerospace, Military, Transportation, Telecom, Medical, Construction, Electronics and Metallurgy areas ect.



Name	Aerogel Insulation Blanket
Thermal conductivity W/(m.k)	0.020(25℃)
Maximum service temperature (℃)	-200~650
Density (kg/m³)	200
Hydrophobicity rate (%)	98
Combustion performance grade	A1
Compression rebound rate (%)	60
Permanent change rate of heating line (%)	≤5
Tensile strength (kpa)	1400
Colour	White
Size(mm)	Wide:1500±5mm Thickness:3/6/10mm