

LUYANGWOOL[®] PAPER

Luyangwool[®] paper is manufactured by blending Luyangwool[®] bulk, binders, and additives. The specialized paper-making process is used to form uniform and flexible paper. Luyangwool[®] paper is easy to be handled and cut. Luyangwool[®] paper can be used in a wide range of applications as thermal insulation. It is especially suited to used in gaskets and as a parting medium.



Features

- Excellent thermal shock resistance
- Can be machined, cut and shaped easily
- High flexibility
- Low thermal conductivity
- Good dielectric strength

Typical Applications

- Gaskets for high temperature applications
- Gaskets for domestic appliances
- Back-up lining for metal troughs
- Thermal barriers for vehicles
- Expansion joints

Typical Parameters

Description	LUYANGWOOL [®] STD PAPER	LUYANGWOOL [®] HD PAPER
Classification Temperature (°C)	1260	1350
Chemical Composition (%)		
Al ₂ O ₃	42-47	44-50
SiO ₂	52-57	49-55
Color	White	White
Density (kg/m ³)	200	240
Tensile Strength (MPa)	0.4	0.7
Loss of Ignition (%)	≤10	≤6
Thermal Conductivity (W/m·K)		
200°C	0.06	0.06
400°C	0.09	0.08
600°C	0.13	0.13
800°C	0.20	0.19
1000°C	-	0.29
1200°C	-	0.43

The data shown are typical average results of tests under standard procedures and are subject to variation. Results should not be used for specification purposes or creating any contractual obligation. For more information on the safety application or materials, please refer to the work practices and material safety data sheet.