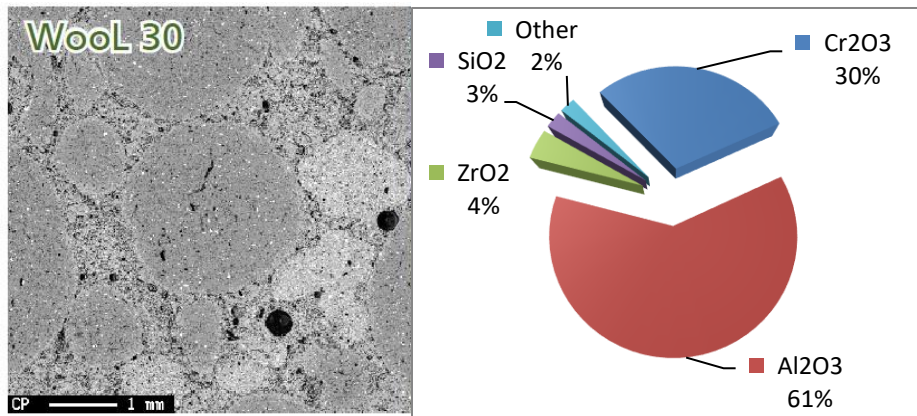


# WOOL 30

WOOL 30 is an innovative Chromia-Alumina bonded material for moderate to high wear areas such as paving and feeder siderails dedicated for Insulation fiber glass furnaces. This unique new material is based on a proprietary grain manufacturing process which allows us to reach higher performance levels. The material optimized chemistry and crystallography architecture enables high intrinsic corrosion resistance in immersed and submerged situations, better joint closing, smoother corrosion profile, while improving other properties such as electrical resistivity, thermal expansion and thermal shock resistance. This material can be formed by vibrocasting (WOOL 30V) and unidirectional pressing (WOOL 30P) depending on shapes and size required.

## CHEMICAL ANALYSIS



## PHYSICAL CHARACTERISTICS

| WOOL 30                                 | International System |                                     | British standard units |                       |
|---|----------------------|-------------------------------------|------------------------|-----------------------|
|   | Bulk density         | 3,37                                | Tm-3                   | 210                   |
| Open porosity                           | 15,0                 | %                                   | 15,0                   | %                     |
| Cold crushing strength                  | 160                  | MPa                                 | 23200                  | Psi                   |
| Coefficient of thermal expansion        | 8,6                  | 10 <sup>-6</sup> °C <sup>-1</sup>   | 4,8                    | 10 <sup>-6</sup> / °F |
| Thermal conductivity at 1000°C          | 3,0                  | W.m. <sup>-1</sup> °C <sup>-1</sup> | 1,73                   | Btu/h.ft°F            |
| Refractoriness under load 0,2 MPa T0,5% | 1750                 | °C                                  | 3180                   | °F                    |
| Thermal shock resistance                | medium               |                                     | medium                 |                       |

**Sintered Materials WOOL 30**

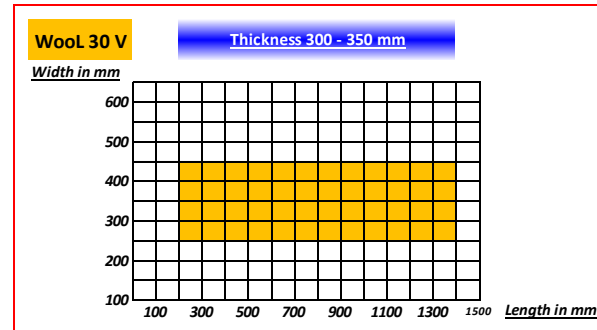
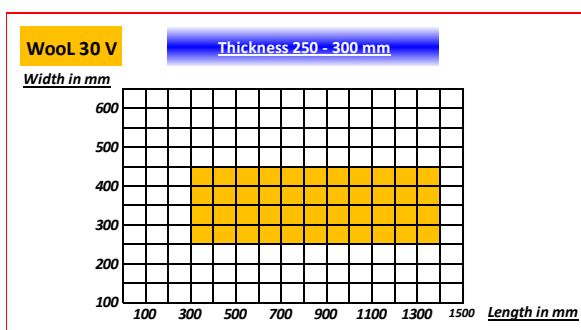
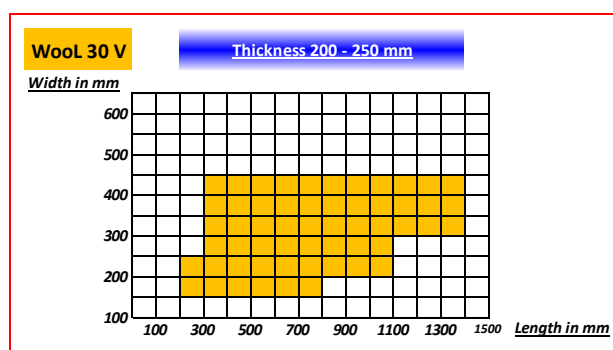
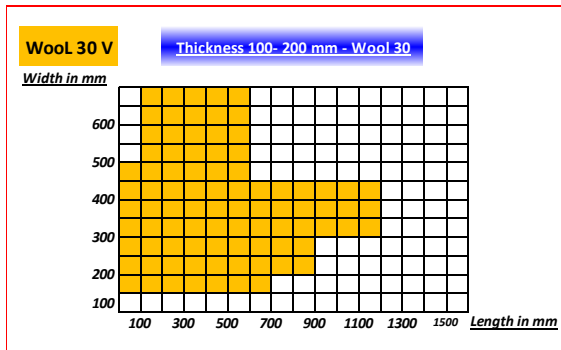
**TYPICAL APPLICATIONS**

WOOL 30 is designed for moderate wear glass contact areas such as pavings, backup and feeder siderails of electric or flame Insulation fiberglass furnaces.

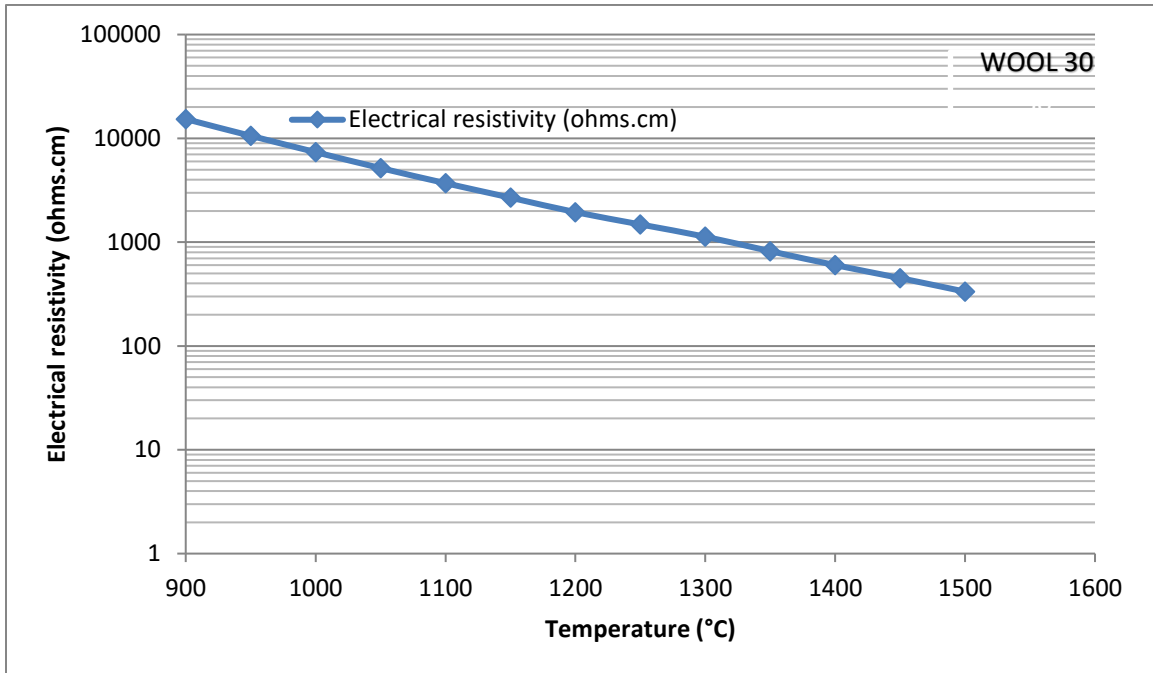


**CAPABILITY GRIDES (ON GOING, NOT DEFINITIVE)**

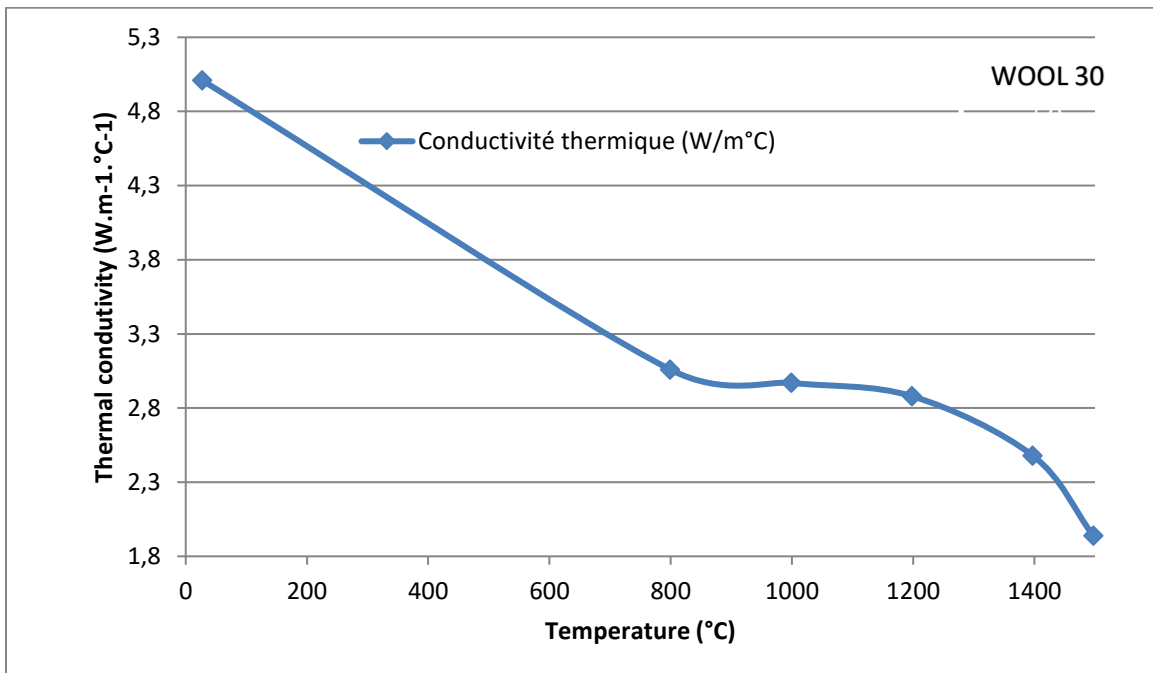
*For sizes outside of the charts below, please contact us.*



**ELECTRICAL RESISTIVITY**



**THERMAL CONDUCTIVITY**



**THERMAL EXPANSION**

