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3R2770HTP

BIOSOLUBLE PAPER

This paper is manufactured from advanced chemical fibers with a classification temperature of 1300 °C (2372°F). The 3R2770HTP is easy to cut and shape, making it suitable for complex forms, gaskets, and separators. Its composition of patented low-emission fibers and organic binders provides excellent thermal properties, high strength, and low thermal conductivity.



APPLICATIONS

The biosoluble 3R2770HTP paper does not adhere to molten metals. It fully meets the requirements of the automotive, aerospace, and industrial sectors.

Moreover, due to its good thermal stability, insulating capabilities, and high tensile strength, the applications of this material include the following possibilities:

- High temperature gaskets and seals
- Refractory back-up insulation
- Filtration
- Separating media

SPECIFICATIONS

Physical properties

Color	White
Density kg/m³(pcf)	180-250 (11-16)
Thickness mm (inch)	0.8 up to 38 (1/32 up to 1)
Continuous Use Temperature, °C (°F)	1200 (2192)
Classification Temperature, °C (°F), EN 1094-1 (2008)	1300 (2372)
Tensile strength, MPa (psi), EN 1094-1(2008)	345 (>0.35/> 50)
Chemical Analysis, %	
Alumina, Al ₂ O ₃	Trace
Silica, SiO ₂	62 - 72
Calcium, CaO	30 - 35

Magnesia, MgO	0.5
Thermal Conductivity, W/m•K, ASTM C201°F (w/m.k) ASTM C201	
Density, kg/m³	180
200°C	0.05
400°C	0.08
800°C	0.16
1200°C	0.28

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.