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CERAMIC

3R2333



Description

The 3R2333 expandable paper is produced from a unique blend of high-purity ceramic fibers, special additives, and organic binders. At maximum expansion of approximately 1200°F, the paper expands up to 400% of its thickness. These results demonstrate that this product is excellent for fabricating seals. It is also recommended for its excellent flexibility, outstanding handling characteristics, and high-insulating value. However, during heat up and expansion, there will be some additional out-gassing of the expandable additives.

Applications

This expandable ceramic paper can be used to fabricate high temperature seals and industrial furnace joints, expansion joint insulation and protection against fire.

Specifications

Physical properties

Color	Grey
Density	15-18 pcf
Thickness	1/16", 1/8"
Temperature	Continuous: 1150°C (2100°F), Short period: 1260°C (2300°F), Melting point: 1760°C (3200°F)
Expansion Characteristics, % increase Temperature @ 205° C (400°F) 1/8"	86
Expansion Characteristics, % increase Temperature @ 540° C (1004°F) 1/8"	419

Expansion Characteristics, % increase Temperature @ 790° C (1454°F) 1/8"	414
Expansion Characteristics, % increase Temperature @ 980° C (1798°F) 1/8"	358
Expansion Characteristics, % increase Temperature @ 205° C (400°F) 1/16"	132
Expansion Characteristics, % increase Temperature @ 540° C (1004°F) 1/16"	385
Expansion Characteristics, % increase Temperature @ 790° C (1454°F) 1/16"	503
Expansion Characteristics, % increase Temperature @ 980° C (1798°F) 1/16"	530

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.