Product Information Sheet

Isofrax® QSP™ Insulation

Introduction

Isofrax® QSP™ Insulation is a thin, flexible, nonwoven insulation material composed of Isofrax 1260°C fibers. Isofrax 1260°C fibers have been tested pursuant to EU protocol ECB/TM/26 under directive 97/69/EC with results under regulatory thresholds. Similarly, results of intratracheal testing per German Hazardous Substances Ordinance indicate Isofrax 1260°C fiber does not require any additional labeling, further testing, or special handling requirements. Isofrax QSP is a certified "true green" insulation material. Isofrax QSP was specifically engineered as an automotive exhaust system insulation, providing thermal management and noise reduction throughout the exhaust system. The product provides a high-temperature insulating layer with superior vibration and water resistance. Typical applications include cone, down pipe, manifold, and muffler insulation.

Isofrax QSP is available in a range of thicknesses and basis weights that can be tailored to meet specific application requirements.

Features

- TRUE GREEN material – Tested and certified according to 97/69/EC and German Hazardous Substances Ordinance as "Not Classified"
- Thin, flexible insulating material
- High vibration and water resistance
- High temperature capability and insulation value – Operating Temperature: Up to 1000°C
- Loss on Ignition 4-7%
- High tensile strength (fired and unfired)
- Global production and customer service

Product Properties

Basis Weight	Nominal Thickness	Typical Installed Density
(g/m^2)	mm	g/cm^3
1000	6.0	0.25 to 0.45

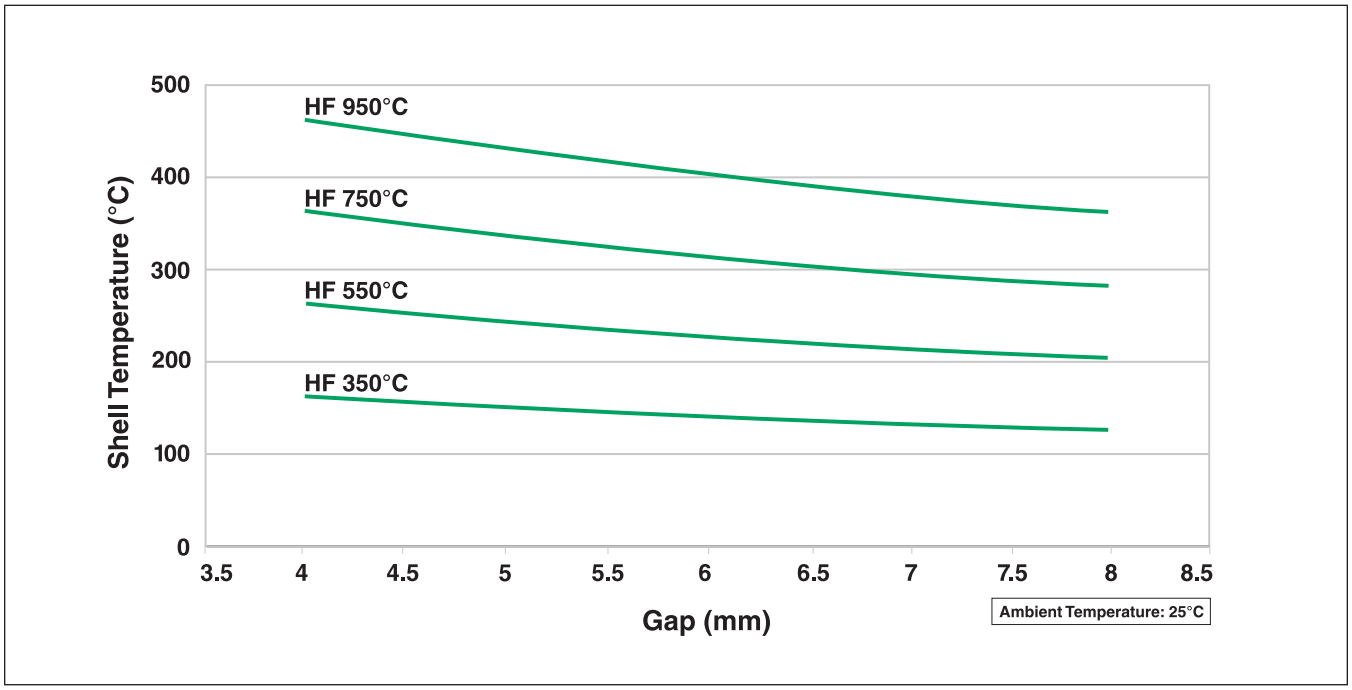
Additional basis weights available

Typical Composition & Properties

Fiber Matrix*	93-96%
LOI	4-7%

*Fiber matrix blend of glass oxide and Isofrax fibers.

Isofrax QSP Thermal Flow



Worldwide Technical Support

Unifrax is a worldwide sales and service organization with several international locations and representatives. The services that we provide include thermal modeling, system design engineering assistance, and failure analysis as well as technical exchange programs. For additional information regarding Isofrax QSP Insulation or any of our emission control products, please contact the Unifrax Emission Control Application Engineering Department at 716-278-3983.

Refer to the product Material Safety Data Sheet (MSDS) for recommended work practices and other product safety information.

Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

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