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FIBERAND LOW-SHOT PROCESSED MINERAL FIBERS INFORMATION SHEET

GENERAL DESCRIPTION: FIBERAND Low-Shot Processed Mineral Fibers are designed for multiple applications including adhesives, caulks, fillers, friction materials, paints and sealants, as well as reinforcers for thermoset and thermoplastic compounds.

SPECIFIC DESCRIPTION: FIBERAND Low-Shot Processed Mineral Fibers are man-made vitreous silicate fibers formed by the spinning of a molten composition of furnace slags and other minerals. The fibers are refined to reduce non-fibrous (shot) content. Treatments can be added upon request.

PHYSICAL PROPERTIES:

Color	Off-white to light gray
Fiber Diameters (μ)	4 - 6 (avg)
Fiber Length (in.)	0.25 (Max)
Fiber Tensile Strength (psi)	80,000
Shot Content	TBA
Recycled Content	\geq 85%
Hardness (Mohs)	6.0
Melting Point	\sim2,200°F
Operating Temperature	Up to 1450°F
Devitrification	1,550°F
Density (Specific Gravity)(g/cc)	2.7 - 2.9
Loose Fill Density (lb/cu.ft.)	4-6
Packaged Density (lb/cu.ft.)	AIM 8-12 (Bags)
Refractive Index	1.62 - 1.64
pH Value	8.5 – 10.5

CHEMICAL COMPOSITION:

<u>* Oxide</u>	<u>Weight (%)</u>
SiO₂	34-46
Al₂O₃	8-15
CaO	24-44
MgO	4-13
Fe₂O₃	0-4
Other	0-4

* Typical formulation range for major oxides

PACKAGING AND SHIPPING:

- Bags weigh 50LB.
- 40 bags per pallet (2000 LB).
- Trucks are loaded with 21 pallets (AIM = 42,000 LB)

EXPORT:

- NAME: FIBERAND LOW-SHOT PROCESSED MINERAL FIBERS
- SYNONYM(S): MINERAL WOOL, SLAG WOOL
- HS TARIFF CLASSIFICATION: 6806.10.0000
- 20 Foot Container – 11 pallets (AIM = 22,000 LB)
- 40 Foot Container – 21 pallets (AIM = 42,000 LB)
- EXWORKS Warehouse – Huntington, IN

NOTES:

1. Testing for typical property parameters are not conducted on a routine basis. Some parameters are checked on an annual basis or when process or raw material changes are implemented.

2. As is standard practice, the elements are reported as oxides, even though no such individual crystals exist in the fiber.