

FREVA™ SEG60

Glass Fiber Reinforced Compositd Sheet

DESCRIPTION

- ✓ USI Glass fiber reinforced compositd sheet **FREVA™ SEG60** is a good replacement of ceramic sheet applying to heat and electrical insulation.
- ✓ **FREVA™ SEG60** is a new organic-inorganic green material that is halogen-free, formaldehyde-free, toluene-free, and heavy metal free. When it is burned, most of the emission is water vapor with very low smoke.
- ✓ **FREVA™ SEG60**compositd by non-halogen flame retardant polymer, which can resist >1000 °C blaze flame for more than 60 minutes with a thickness of 0.75mm. According our test result, **FREVA™ SEG60** can achieve a UL-94 V0 rating at 0.75 mm.
- ✓ Standard roll widths: 1200mm
- ✓ Standard roll length: 50m, 100m, 200m

PHYSICAL PROPERTIES

Properties	Test Method	Test Condition	Unit	FREVA™ SEG60
Total Thickness	--	--	mm	0.75
Specific Gravity	ASTM D-792	23 °C	g/cm ³	1.6
Tensile Stress at Break	ASTM D-638	0.75mm	kg/cm ²	150
Elongation at Break	ASTM D-638	0.75mm	%	10
Dielectric Breakdown Voltage	ASTM D-149	3mm	KV	12.1
Dielectric Strength	ASTM D-149	3mm	KV/mm	4.0
Thermal Conductivity	ISO 22007-2	6mm	W/mK	1.50
Thermal Resistance	ISO 22007-2	6mm	°C/W	0.4
Flammability Rating	UL-94	V-0	mm	0.6

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Values included in this data sheet are based on limited laboratory test specimens. These values are typical values and are not meant to be used for setting maximum or minimum values for specification purposes. Any determination of the suitability of the materials shown in this property data sheet for use by the end user is the sole responsibility of the user, who must assure themselves that the material as subsequently processed meets the need of his particular product or use. To the best of our knowledge the information in this publication is accurate and reliable, USI does not assume any liability whatsoever for the accuracy of this information.

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