

NO. GR-1000-17

DESCRIPTION

GR-1000-17 is a S.S wire reinforced fiberglass fabric coated with a formulated intumescent graphite material on both sides. The volume of the fabric will expand about 200 times when meet fire. It can effectively block the smoke. GR-1000-17 does not generate toxic emissions. It was designed for the manufacturer of fire curtain and other types of smoke fire control systems. The fire resistance E240EW120 tested according to EN 1634-1 classified according to EN 13501-2.

BASE FABRIC

	Metric	English	Test methods
Wave	8H Satin	8H satin	
Yarn			
Warp	EC9 68 tex 1*2 S.S 316# wire	ECG 75 2/2 S.S 316#wire	
Weft	EC9 68 tex 1*2 S.S 316# wire	ECG 75 2/2 S.S 316#wire	
Construction			
Warp	16.5± 1 ends/cm	42± 2 ends/inch	
Weft	14.5± 1 picks/cm	37± 2 picks/inch	

COATED FABRIC

Coating	Intumescent graphite coated on both sides		
Weight	1700±80 g/m ²	50±2.3 oz/yd ²	ASTM D3776-96
Thickness	1.45±0.1 mm	0.057±0.0039 inch	ASTM D1777-96
Color	Black/Black		
Flame resistance	Flame resistance		
Temp resistance	Base fabric up to 1100°C		
	The coating start to expand when catch the fire		

NO. PU-1000-69

DESCRIPTION

PU-1000-69 is a S.S wire reinforced fiberglass fabric coated with a formulated polyurethane aluminum polymer which provides a heat reflecting surface as well as other properties for the manufacturer of fire curtain and other types of smoke fire control systems.

The fire resistance E120EW30 tested according to EN 1634-1 classified according to EN 13501-2.

BASE FABRIC

	Metric	English	Test methods
Wave	8H Satin	8H satin	
Yarn			
Warp	EC9 68 tex 1*2 S.S 316# wire	ECG 75 2/2 S.S 316#wire	
Weft	EC9 68 tex 1*2 S.S 316# wire	ECG 75 2/2 S.S 316#wire	
Construction			
Warp	16.5± 1 ends/cm	42± 2 ends/inch	
Weft	14.5± 1 picks/cm	37± 2 picks/inch	
Weight	640±30 g/m ²	18.8±0.9 oz/yd ²	ASTM D3776-96
Thickness	0.60±0.06 mm	0.0236±0.002 oz/yd ²	ASTM D1777-96

COATED FABRIC

Coating	Polyurethane coated on both sides		
Weight	690±30 g/m ²	20.2±0.88 oz/yd ²	ASTM D3776-96
Thickness	0.60±0.05 mm	0.025±0.0019 inch	ASTM D1777-96
Color	SliverGrey		
Flame resistance	M0 approval		NF 92507
Temp resistance	Base fabric up to 1100°C, Polyurethane coating up to 180°C		

NO. PU-600-46

DESCRIPTION

PU-600-46 is a medium weight fiberglass fabric coated with a specially formulated polyurethane polymer. PU-600-46 is the fabric applied for the manufacturer of smoke and fire curtain cavity fire barriers and other types of smoke fire control systems.

The fire resistance E120 and the smoke protection 120 minutes.

BASE FABRIC

	Metric	English	Test methods
Wave	4H Satin	4H satin	
Yarn			
Warp	EC9136 1*0	ECG 37 1/0	
Weft	EC9136 1*0	ECG 37 1/0	
Construction			
Warp	18± 1 ends/cm	48± 3 ends/inch	ASTM D3775-96
Weft	12.6± 1 picks/cm	32± 3 picks/inch	ASTM D3775-96
Weight	430±30 g/m ²	12.6±0.9 oz/yd ²	ASTM D3776-96
Thickness	0.37±0.06 mm	0.015±0.002 oz/yd ²	ASTM D1777-96

COATED FABRIC

Coating	Fire retardant, high performance polyurethane coated on both sides		
Weight	460±20 g/m ²	13.5±0.59 oz/yd ²	ASTM D3776-96
Thickness	0.40±0.03 mm	0.0157±0.0012 inch	ASTM D1777-96
Color	SliverGrey		
Flame resistance	A2-S1, d0		EN 13501-1:2018
Temp resistance	Base fabric up to 600°C, Polyurethane coating up to 180°C		

NO. AL-600-64

DESCRIPTION

AL-600-64 is a medium weight woven fiberglass fabric laminated with an aluminum foil which provides a heat reflecting surface as well as other properties for the manufacturer of smoke and fire curtain cavity fire barriers and other types of smoke fire control systems.

The fire resistance E120 and the smoke protection 120 minutes.

BASE FABRIC

	Metric	English	Test methods
Wave	Check board	Check board	
Yarn			
Warp	EC9 33 3*2	ECG 150 3/2	
Weft	EC9 33 3*2	ECG 150 3/2	
Construction			
Warp	14.5± 1.4 ends/cm	37± 3 ends/inch	
Weft	14.5± 1.4 ends/cm	37± 3 ends/inch	
Weight	600±30 g/m ²	17.6±0.88 oz/yd ²	ASTM D3776-96
Thickness	0.59±0.05 mm	0.023±0.0002 oz/yd ²	ASTM D1777-96

COATED FABRIC

Coating	Aluminum foil (18 microns thick) laminated on one side		
Weight	640±20 g/m ²	18.8±0.88 oz/yd ²	ASTM D3776-96
Thickness	0.61±0.05 mm	0.024±0.0002 inch	ASTM D1777-96
Color	Sliver		
Flame resistance	Non-combustible		
Temp resistance	Glass fabric up to 600°C, Aluminum foil up to 180°C		