



PRODUCT DATA

Brand Name: **GAS PANEL MIX**

Description: GAS PANEL MIX is used to produce lightweight, strong panels. They can be manufactured to a wide range of sizes to fit special industrial needs.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 1600°F (870°C)

Bulk Density (pcf)

After 220°F (104°C)	80 - 86	(1.28 - 1.38 g/cm ³)
After 1500°F (815°C)	78 - 82	(1.25 - 1.31 g/cm ³)

Cold Crushing Strength (psi)

After 220°F (104°C)	1500 - 2000	(105 - 140 kg/cm ²)
After 1500°F (815°C)	800 - 1200	(56 - 84 kg/cm ²)

Permanent Linear Change (%)

After 1500°F (815°C)	-0.5 to -1.1
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Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft ² /hr./°F/inch	W/mK
500°F (260°C)	1.1	0.16
1000°F (540°C)	1.3	0.19
1500°F (815°C)	1.6	0.23

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	25.4
Silica (SiO ₂)	48.9
Iron Oxide (Fe ₂ O ₃)	3.5
Titania (TiO ₂)	0.7
Lime (CaO)	20.2
Magnesia (MgO)	0.7
Alkalis (Na ₂ O+K ₂ O)	0.6

Brand Code: 0167

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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