



Panel Mixes

Product Data

OIL PANEL MIX

OIL PANEL MIX can be used to produce dense, strong, chemically resistant panels. They can be manufactured to a wide range of sizes to fit special industrial needs.

Maximum Service Temperature: 2700°F (1480°C)

Bulk Density: 124 lbs/ft³ (1984 kg/m³)

Cold Crushing Strength:

After 220°F (105°C)	3500-4500	psi (245-315 kg/cm ²)
After 1500°F (815°C)	2000-4500	psi (140-315 kg/cm ²)
After 2500°F (1370°C)	3000-5000	psi (210-350 kg/cm ²)

Modulus of Rupture:

After 220°F (105°C)	1100-1400	psi (77-98 kg/cm ²)
After 1000°F (540°C)	500- 800	psi (35-56 kg/cm ²)
After 2500°F (1370°C)	800-1200	psi (56-84 kg/cm ²)

Permanent Linear Change (%):

After 220°F (105°C)	0.0 to -0.3
After 1500°F (815°C)	0.0 to -0.4
After 2500°F (1370°C)	0.0 to -1.0

Thermal Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	4.50	0.65
1500°F (815°C)	4.80	0.69
2000°F (1095°C)	5.20	0.75

Typical Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	TiO ₂	Alkalies
49.3	39.3	1.1	8.3	1.7	0.3

The properties shown on this data sheet represent typical average results generated 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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