



Plastics and Ramming Mixes

Product Data

RESCO LR

RESCO LR is a high alumina, chemically bonded, 3300°F service temperature granular ramming material that is widely used throughout the steel and other metal producing industries. It is used where higher temperature requirements demand a high PCE or more refractory material.

Maximum Service Temperature: 3300°F (1815°C)

Bulk Density: 182 lbs/ft³ (2912 kg/m³) (as installed)

Compressive Strength:

1500°F (815°C)	3600-5100 psi (252-357 kg/cm ²)
2500°F (1370°C)	4700-6800 psi (329-476 kg/cm ²)
2910°F (1600°C)	3300-5000 psi (231-350 kg/cm ²)

Modulus of Rupture:

1500°F (815°C)	700 - 1000 psi (49 - 70 kg/cm ²)
2500°F (1370°C)	1000 - 1400 psi (70 - 98 kg/cm ²)
2910°F (1600°C)	1200 - 1600 psi (84 - 112 kg/cm ²)

Permanent Linear Change (%):

(based on dried length (drying shrinkage typically 0.5%))

1500°F (815°C)	-0.2 to +0.2
2500°F (1370°C)	+0.5 to +1.0
2910°F (1600°C)	+0.2 to +1.3

Typical Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO/MgO	Alkalies	P ₂ O ₅
83.5	9.8	1.3	2.3	0.4	0.6	2.1

Standard Packaging: 32 - 100 lb. cartons per pallet

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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