



RENO REFRACTORIES, INC

RENO PLASTIC 80 AS

TECHNICAL DATA SHEET

**RENO PLASTIC 80 AS** is a high alumina, air setting plastic with excellent resistance to thermal and mechanical shock. It is ideal for use where conditions are too severe for super duty plastics.

**RENO PLASTIC 80 AS** when dry, develops strength throughout the entire thickness, regardless of the operating temperature.

**SERVICE TEMPERATURE:** 3100°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 172 lbs/ft<sup>3</sup>

**TYPICAL CHEMICAL ANALYSIS** (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO	Alkalies	Other
80.6	13.3	1.1	2.5	0.1	0.1	0.4	0.1

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	250 – 350	600 – 800	-0.6
1500	200 – 300	500 – 600	-0.9
2000	350 – 450	1,200 – 1,450	+1.0
3000	600 – 750	1,950 – 2,250	+1.5

**PACKAGING:** 55 lb. Boxes, 60 per Pallet (3,300 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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