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TECHNICAL DATA SHEET

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**PL 65 GS** is a high performance, air setting, erosion resistant, trough and ladle plastic. It is non-wetting and has been designed to improve resistance to molten metal and slag. The SiC and carbon content offers resistance to metal penetration.

**PL 65 GS** is recommended for troughs where erosion from slag and molten metal are a problem. Also is very good as a patch material during long campaigns.

**SERVICE TEMPERATURE:** 3200°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 157 lbs./cu. ft.

**TYPICAL CHEMICAL ANALYSIS**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiC + C	Alkalies
63.0 – 67.5	8.0 – 11.5	<1.0	17.5 – 20.5	<0.5

**TYPICAL PHYSICAL PROPERTIES** (\* Fired in a reducing atmosphere)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	400 - 500	950 – 1,200	-0.4
*1500	300 – 450	1,200 – 1,600	-0.4
*2000	300 – 450	1,200 – 1,600	-0.2
*2500	600 – 850	1,650 – 2,000	-0.2

**PACKAGING:** 55 lb. Boxes, 60 per Pallet (3300 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.