PRYOR GIGGEY CO.

The Refractory Specialists
A division of P-G Industries, Inc.
AN EMPLOYEE OWNED COMPANY

TECHNICAL DATA

PG 28 IFB

ASTM Classification				**28**	
Temperature Use Limit, °F (°C) (Normal oxidizing atmosphere)			2800	(1538)	
Density, Avg.	lb/ft^3 (kg/m^3)		55	(881)	
ASTM C 134	lb/BEq (kg/str.)		3.2	(1.5)	
Modulus of Rupture					
ASTM C 133	lb/in^2 (Mpa) *kg/cm^2*		220	(1.5)	*15.5*
Cold Crush Strength					
ASTM C 133	lb/in^2 (Mpa) *kg/cm^2*		340	(2.3)	*23.9*
Permanent Linear Change, %					
ASTM C 210 24 hrs @ soaking temp: °F (°C)					
	2750	(1510)	-0.7		
Reversable Linear Thermal Expansion %					
at °F (°C)	2000	(1093)	0.65		
Hot Load Strength	%				
ASTM C 16	deformation				
10 psi load for 1 1/2 hours: °F (°C)					
	2200	(1204)	0.1		
Thermal Conductivity, ASTM C 182		Btu-in/ft2, hr, F° (W/mk)			
Mean Temperature, °F (°C)					
	500	(260)	2.3	(0.33)	
	1000	(538)	2.4	(0.35)	
	1500	(816)	2.6	(0.37)	
	2000	(1093)	2.7	(0.39)	

Chemical Analysis, %

Alumina - Al_2O_3	67.0
Silica - SiO_2	30.5
Ferric Oxide - Fe_2O_3	0.3
Titanium Oxide - TiO_2	0.9
Calcium Oxide - CaO	0.3
Magnesia - MgO	0.0
Alkalies - as $Na_2O + K_2O$	1.0

For product information or sales, please contact your sales representative or Customer Service at: **Phone (256) 237-3373, Fax (256) 237-3793 or (800) 446-8769.**

The physical and chemical properties of Pryor Giggey's's Insulating Fire Brick represent values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Results should not be used for specification purposes.