



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

TECHNICAL DATA

PG 26 IFB

ASTM Classification				26
Temperature Use Limit, °F (°C) (Normal oxidizing atmosphere)		2600	(1427)	
Density, Avg.	lb/ft ³ (kg/m ³)	49	(769)	
ASTM C 134	lb/BEq (kg/str.)	2.9	(1.3)	
Modulus of Rupture				
ASTM C 133	lb/in ² (Mpa) <i>kg/cm²</i>	180	1.4	<i>14.1</i>
Cold Crush Strength				
ASTM C 133	lb/in ² (Mpa) <i>kg/cm²</i>	240	1.9	<i>19</i>
Permanent Linear Change, %				
ASTM C 210 24 hrs @ soaking temp: °F (°C)				
		2550	(1399)	-0.1
Reversible Linear Thermal Expansion %				
at °F (°C)		2000	(1093)	0.6
Hot Load Strength	%			
ASTM C 16	deformation			
10 psi load for 1 1/2 hours: °F (°C)				
		2200	(1204)	0.2
Thermal Conductivity, ASTM C 182	Btu-in/ft ² , hr, F° (W/mk)			
Mean Temperature, °F (°C)				
		500	(260)	1.6 (0.23)
		1000	(538)	2.0 (0.27)
		1500	(816)	2.4 (0.32)
		2000	(1093)	2.6 (0.37)

Chemical Analysis, %

Alumina - Al ₂ O ₃	40.0
Silica - SiO ₂	57.0
Ferric Oxide - Fe ₂ O ₃	0.7
Titanium Oxide - TiO ₂	1.5
Calcium Oxide - CaO	0.3
Magnesia - MgO	0.1
Alkalies - as Na ₂ O + K ₂ O	.4

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 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.

