## **MIZZOU® CASTABLE PLUS**



**Product Data** 12/12: 5976

Description:	3000°F	High-Al	umina	Castable

Features:

- Good resistance to numerous slags.
- Shows expansion rather than shrinkage after heating to elevated temperatures.
- Good resistance to spalling.
- Installer friendly.

Uses:

- Incinerators.
- Boilers.
- Burner Blocks.
- Aluminum furnace upper sidewalls and roofs.

32.6%
60.6%
1.2%
2.2%
2.6%
0.3%
0.5%
3000°F (1650°C)
140 lb/ft³ (2.24 g/cm³)
lb/ft³ (g/cm³)
142 (2.27)
140 (2.24)
Ib/in.2 (MPa)
1,100 (7.6)
800 (5.5)
600 (4.1)
1,100 (7.6)
Ib/in.2 (MPa)
5,500 (37.9)
3,500 (24.1)
3,000 (20.7)
4,000 (27.6)
-0.1%
-0.2%
-0.2%
+0.9%
+2.8%

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**Product Data** 

Thermal Conductivity	Btu·in/hr·ft²·°F (W/m·°C)		
At 400°F (205°C)	7.8 (1.12)		
At 800°F (425°C)	7.7 (1.11)		
At 1200°F (650°C)	7.6 (1.10)		
At 1600°F (870°C)	7.5 (1.08)		
At 2000°F (1095°C)	7.4 (1.07)		
At 2400°F (1315°C)	7.4 (1.07)		
Particle Size			
Maximum Grain Size 4 Mesh (Tyler)	Less than 5%		

Note: The test data shown are based on average results on production samples and are subject to normal variation on individual tests. The test data cannot be taken as minimum or maximum values for specification purposes. ASTM test procedures used when applicable.

Mixing and Using Instructions (Water calculated at 8.337 lb/gallon)	55 lb bag	1000 lb bag	1500 lb bag
Water Required—Vibration Casting (Weight 8.6%)			
Pounds	4.7	86.0	129.0
Gallons	0.6	10.3	15.5
Liters	2.1	39.0	58.5
Water Required—Hand Casting/Pouring (Weight 9.0%)			
Pounds	5.0	90.0	135.0
Gallons	0.6	10.8	16.2
Liters	2.2	40.8	61.2
Working Time		20 minutes	
For detailed mixing and using instructions, contact your HWI representative	e or visit www.thinkHWI.	com.	
Heatup/Dryout Schedule			
See HWI Dryout Schedule 2—PLUS Rated Castables and Gunning Casta	ables.		
Installation Guidelines			
See HWI Installation Guidelines LCC-1—Low Cement Castables—Standa	ard.		
Note: LCC-1 is the intended designation due to technical justification	n of brand.		
Shelf Life (Under Proper Storage Conditions)		365 days	