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Technical Data Sheet

Pligun LWI 26

Product # 16013

Available Internationally As:

Plico Gun Mix LW 26

Product Description:

Pligun® LWI® 26 is a higher temperature insulating gun mix. This material is suitable as either a backup insulating component or as a "one shot" hot face lining. Product advantages include low iron content less than 1%, medium density, good CCS and hot strength, nice volume stability, positive linear change at the service limit, and good gunability.

Standard Packaging: 55 # / 25 kg Bag

Shelf Life: 9 months

Service Limit: 2600 °F 1430 °C

Contact Limit: N/A °F N/A °C

Bulk Density - In Service: 85 pcf 1362 kg/m³

Bulk Density - To Place: 85 pcf 1362 kg/m³

Minimum Time To Firing: 24 hr

Abrasion Loss after 1500°F / 815°C
per ASTM C704

N/A cc

Chemistry (calcined) %					
Al ₂ O ₃	47.2	Alk	1.6	MgO	0.2
SiO ₂	41.7	TiO ₂	1.2	ZrO ₂	
CaO	7.3	P ₂ O ₅		Other	
Fe ₂ O ₃	0.9	SiC			

Water Range Per Standard Package		%	Quarts	Liters
Vib Casting	min			
	max			
Casting	min			
	max			
Pumping	min			
	max			

Coefficient of Thermal Expansion (reversible):

2.9 x 10⁻⁶ in/in/°F / 5.2 x 10⁻⁶ mm/mm/°C

Thermal Conductivity	btu*in/hr*ft ² *°F	W/m°C
500°F / 260°C	2.9	0.4
1000°F / 540°C	3.0	0.4
1500°F / 815°C	3.2	0.5
2000°F / 1090°C	3.7	0.5

Temperature		Linear Change% per ASTM C113	CCS per ASTM C133		Cold MOR per ASTM C133		Hot MOR per ASTM C583	
°F	°C		psi	MPa	psi	MPa	psi	MPa
230	110	-0.1	1100	8.0	450	3.1		
1000	540	-0.2			275	1.9	250	1.7
1500	820	-0.3	1000	6.9	300	2.1	300	2.1
2000	1090	-0.5			350	2.4	200	1.4
2600	1430	1.1			800	5.5		

Other Data:

Release Date: 1 Aug 2019

Heat Up Guide: Schedule B

ASTM Class: C 401 Class R Insulating Castable

Refractory material should be stored in a cool, dry environment.

Note: All data are averaged results of ASTM tests (where applicable) on laboratory specimens. Reasonable variations in data can be expected. Data is not to be used for specification purposes. Product data is periodically updated to reflect product, raw material, process and/or testing changes. Please consult your Plibrico representative to make sure you have the most current data.