



Plibrico Company, LLC

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Technical Data Sheet Pligun Fast Track TS LC

Product # 3203

Available Internationally As:

Plico Gun Mix Fast Track TS LC

Product Description:

A fused silica-mullite, thermal shock resistant, high strength, low cement gunite.

Standard Packaging: 55 # / 25 kg Bag

Shelf Life: 6 months

Service Limit: 2500 °F 1370 °C

Contact Limit: N/A °F N/A °C

Bulk Density - In Service: 123 pcf 1970 kg/m³

Bulk Density - To Place: 123 pcf 1970 kg/m³

Minimum Time To Firing: 16 hr

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

9.8 cc

Chemistry (calcined) %

Al ₂ O ₃	26.0	Alk	0.2	MgO	0.1
SiO ₂	71.0	TiO ₂	0.4	ZrO ₂	
CaO	2.4	P ₂ O ₅		Other	
Fe ₂ O ₃	0.3	SiC			

Coefficient of Thermal Expansion (reversible):

0.7×10^{-6} in/in/°F / 1.3×10^{-6} mm/mm/°C

Thermal Conductivity

Thermal Conductivity	btu*in/hr*ft ² *°F	W/m ² *°C
500°F / 260°C	6.1	0.88
1000°F / 540°C	6.4	0.92
1500°F / 815°C	7.1	1.02
2000°F / 1090°C	8.1	1.17

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

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	0.0	5000	34.0	1900	13.1		
1000	540	-0.1			1600	11.0		
1500	820	-0.2	8000	55.2	2500	17.2	2000	13.8
2000	1090	-0.3			2000	13.8	3500	24.1
2300	1260						1500	10.3

Other Data:

Release/Revision Date: 1 Jul 2026

Heat Up Guide: Schedule FT

ASTM Class: C 401 Class C

Low Cement 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.

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