

**FERMET 55LWG**

*FERMET 55LWG IS A LOW CEMENT GUN GRADE CASTABLE DESIGNED FOR THE GUNNED REPAIR OF FERROSILICON AND SILICON METAL LADLES. IT HAS LOW THERMAL CONDUCTIVITY AND EXCELLANT RESISTANCE TO SLAGS FOUND IN THE SILICON METAL AND FERROSILICON INDUSTRIES.*

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** 1650 °C

**BULK DENSITY**

@ 220 °F (104 °C)	121	LBS/FT <sup>3</sup>	1938	KG/M <sup>3</sup>
@ 1500 °F (815 °C)	119	LBS/FT <sup>3</sup>	1906	KG/M <sup>3</sup>
@ 2822 °F (1550 °C)	125	LBS/FT <sup>3</sup>	2000	KG/M <sup>3</sup>

**COLD CRUSHING STRENGTH**

@ 1500 °F (815 °C)	5000 - 8000	P.S.I.	350 - 560	KG/CM <sup>2</sup>
@ 2822 °F (1550 °C)	8000 - 15000	P.S.I.	560 - 1050	KG/CM <sup>2</sup>

**PERMANENT LINEAR CHANGE**

@ 1500 °F (815 °C)	0.00	TO	-0.30 %
@ 2822 °F (1550 °C)	- 0.50	TO	-1.50 %

**MAXIMUM GRAIN SIZE** 5 MM

**CONDUCTIVITY OR "K" FACTOR**

<u>MEAN TEMP</u>	<u>W/mK</u>
@ 650 °C	0.64
@ 1000 °C	0.73
@ 1200 °C	0.78

**TYPICAL CHEMICAL ANALYSIS (%)**

AL <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	ALK
53.0	40.9	0.9	2.5	0.1	0.8	0.5

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet