

VIBROCAST 56SCPC

VIBROCAST 56SCPC IS A SILICON CARBIDE BASED LOW CEMENT CASTABLE SPECIFICALLY DESIGNED FOR INSTALLATION BY PUMP CASTING. ITS HIGH THERMAL CONDUCTIVITY MAKES IT IDEAL FOR APPLICATIONS WHERE HIGH HEAT TRANSFER IS IMPORTANT. VIBROCAST 56SCPC SHOWS EXCELLENT RESISTANCE TO ABRASION, THERMAL SPALLING AND CORROSION, COMBINED WITH SUPER HIGH FIRED STRENGTHS.

THE DATA SHOWN IS BASED ON MATERIAL PREPARED TO A PUMP CASTING CONSISTANCY AND TAMPED INTO FORMWORK.

Maximum Service Temperature: 2800°F (1540°C)

Bulk Density:

220°F (105°C)	159-164 lb/ft ³	(2550-2630 kg/m ³)
1700°F (927°C)	154-159 lb/ft ³	(2470-2550 kg/m ³)

Cold Crushing Strength:

1700°F (927°C)	9000-14000 psi	(620-965 kg/cm ²)
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Modulus of Rupture:

1700°F (927°C)	1800-3100 psi	(124-214 kg/cm ²)
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Permanent Linear Change(%):

1700°F (927°C)	-0.1 to -0.4
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Erosion Loss:

1700°F (927°C)	Less than 10 cc (Typical 6 to 8 cc)
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Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	39	5.62
1500°F (815°C)	39	5.62

Typical Chemical Analysis(%):

SiC	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Other
56.6	18.1	22.4	0.6	2.3	0.1	0.1

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