



# TECHNICAL DATA

## EZ CAST® 2700

### SELF FLOW/PUMPABLE LOW IRON/HIGH STRENGTH CASTABLE

Recommended Service Temperature.....	2700°F
Water Required for Mixing :Self Flow.....	6.5 - 8.5%
:Vibrated, External or Internal Vibration.....	4.5 - 6.0%
Material Required Per Ft3 :Self Flow .....	135-139 lb
:Vibration.....	140-144 lb
Packaging.....	55 lb bag

#### SELF FLOW/PUMPABLE

TEMPERATURE (°F)	BULK DENSITY (lb/ft³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in²)	COLD CRUSH STRENGTH (lb/in²)	APPARENT POROSITY (%)	K-FACTOR ASTM C-1113 (BTU-in/hr-ft²·°F)	ABRASION LOSS (cm³)
220	138-142	-0.2 to 0.0	700-1100	5000- 9000	12 - 14	-----	8 - 12
1500	135-139	-0.3 to 0.0	600-1000	3000- 7000	17 - 19	10.5	10 - 14
2000	136-140	-0.4 to 0.0	700-1100	4000- 8000	17 - 19	10.8	-----
2550	137-141	-0.1 to 0.3	1400-1800	4000- 8000	14 - 16	9.5	-----

#### CAST-VIBRATED

220	142-146	-0.4 to 0.0	1100-1500	10000-14000	7 - 9	11.8	6 - 10
1500	140-144	-0.5 to -0.1	1500-1900	8000-12000	13 - 15	12.2	7 - 11
2000	141-145	-0.7 to -0.3	1300-1700	7000-11000	13 - 15	11.7	-----
2550	140-144	-0.1 to 0.3	1500-1900	8000-12000	10 - 12	-----	-----

#### CHEMICAL ANALYSIS: (Ignited)

Al <sub>2</sub> O <sub>3</sub>	.....	42.2%
SiO <sub>2</sub>	.....	49.2
Fe <sub>2</sub> O <sub>3</sub>	.....	1.2
TiO <sub>2</sub>	.....	1.8
CaO	.....	3.7
MgO	.....	0.5
Alkalies	.....	1.4

#### HOT MODULUS OF RUPTURE: (lb/in²)

At 2000°F	.....	1200-2400
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The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), 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.

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