

INFORMATION BULLETIN

Epic® Pour Tile

DESCRIPTION: High-alumina shapes that are plastic pressed or dry-

pressed depending on shape and requirements to meet

strict dimensional tolerances and individualized

applications.

USES INCLUDE: Hollow ware for bottom pour ingot manufacturing

containing 36% to 82% alumina including mullite and

mullite corundum qualities.

CHEMICAL ANALYSIS BY %: (TYPICAL CHEMICAL ANALYSIS)

Quality	36	45	61	64	65MC	70	72	70MC	82MC
Al ₂ O ₃	36	45	61	64	60-65	70	72	70	82
Fe ₂ O ₃	2.5	1.5 ~2.0	2.0	2.0	2.0	2.4	1.5	0.5	1.0

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity, %	25 max	20 max	25 max	25 max	23 max	28	24 max	22 max	22 max
Bulk Density g/cm ³	2.05	2.2	2.2	2.25	2.3	2.25	2.45	2.5	2.6
Cold Crushing Strength, Mpa	40	40	25	25	50	25	55	50	60
Refractoriness (°C)	1700	1750	1770	1770	1800	1790	1800	1820	1800 min
Permanent Linear Changes 1500C/5 hrs %	n/a	±0.5 max	±0.5 max	±0.3 max	±0.3 max	±0.5 max	±0.3 max	±0.3 max	±0.3 max

DIMENSIONAL TOLERANCES

Up to 150mm \pm 2.0mm Above 150mm \pm 2.0%

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally, and as a function of size and shape. This form is not intended to be used for purposes of specification, it is informational only.

Version 23.8

Phone: 1-800-609-5711 www.FRCglobal.com