



## 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 quantities.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

	36	45	61	64	65MC	70	72	70MC	82MC
Al <sub>2</sub> O <sub>3</sub> (%)	36.0	45.0	61.0	64.0	60-65	70.0	72.0	70.0	82.0
Fe <sub>2</sub> O <sub>3</sub> (%)	2.5	1.5-2.0	2.0	2.0	2.0	2.4	1.5	0.5	1.0

### TYPICAL AS RECEIVED PROPERTIES:

	36	45	61	64	65MC	70	72	70MC	82MC
Apparent Porosity (%):	25 max	20 max	25 max	25 max	23 max	28	24 max	22 max	22 max
Bulk Density (g/cm <sup>3</sup> ):	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
Permanent Linear Changes (%):									
1500°C/5 hr	1700	1750	1770	1770	1800	1790	1800	1820	1800 min
Refractories (°C)	-	± 0.5 max	± 0.5 max	± 0.3 max	± 0.3 max	± 0.5 max	± 0.3 max	± 0.3 max	± 0.3 max

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 20.11