

# GUNNING CASTABLES

PRODUCT NAME	ACE GUN 45	ACE GUN 60	ACE MONGUN 45	ACE MONGUN 60	ACE MONGUN ABR 70	ACE LYTEGUN 11	ACE LYTEGUN 13
<b>GENERAL PROPERTIES</b>							
Installation	Gunning	Gunning	Gunning	Gunning	Gunning	Gunning	Gunning
Shelf Life (Months)	9	9	9	9	9	9	9
Max. Service Temperature(°C)	1450	1500	1450	1550	1600	1300	1350
Max. Grain Size (mm)	4	4	4	4	4	4	4
Water Required for Casting(%)	11-15	10-14	9-12	8-11	7-10	35-45	30-40
Delivery State	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder
Packing (Kg)	25	25	25	25	25	25	25
<b>CHEMICAL ANALYSIS (%)</b>							
Al <sub>2</sub> O <sub>3</sub>	43-45	58-60	43-45	58-60	68-70	32-35	35-38
Fe <sub>2</sub> O <sub>3</sub>	2.0-2.5	1.3-1.5	1.3-1.5	1.3-1.5	1.1-1.3	3.5-4.5	3.5-4.5
<b>PHYSICAL PROPERTIES</b>							
Bulk Density (g/cc) after drying at 110°C/24h	1.95-2.05	2.10-2.20	2.10-2.20	2.25-2.40	2.45-2.55	1.30-1.40	1.45-1.55
CCS (kg/cm <sup>2</sup> )							
After drying at 110°C/24h	250-350	300-400	400-500	500-600	600-700	40-50	70-80
After Firing at 800°C/3h	150-250	200-300	500-600	600-700	700-800	25-35	40-50
After Firing at 1100°C/3h	100-200	150-250	550-650	650-750	750-850	15-25	30-40
After Firing at 1400°C/3h	250-350	300-400	600-700	700-800	800-900 at 1500°C/3h	-	-
<b>THERMAL PROPERTIES</b>							
Refractoriness (°C/OC)Min.	1621/26+	1655/30+	1683/31+	1785/35+	1804/36+	1398/14+	1398/14+
PLC (%)							
After Firing at 800°C/3h	±0.4	±0.3	±0.3	±0.3	±0.3	±0.8	±0.6
After Firing at 1100°C/3h	±0.6	±0.5	±0.5	±0.4	±0.4	±1.2	±1.0
After Firing at 1500°C/3h	±1.5	±1.0	±1.2	±1.0	±0.8 at 1500°C/3h	±1.2	±0.8

## NOTE:

1. Tolerance: ±1.5% or ±2.0% whichever is greater.
2. VRPL does not warrant the accuracy, fitness for purpose or updates of any information disclosed herein. Specification of the products may change based on the geographical area to be supplied.
3. Max. & Min. Values are given separately for testing purposes. Data shown are based on average results of production samples and are subject to normal variation during individual tests.
4. The information contained herein is exclusive property of VRPL.