

Code : IN-PR-02

INSTRUCTION**IRALCO'S Specification Of Raw Materials****4-8 Cathode Block**

Specification	Typical	Unit	Value	Method
Material	Graphit	---	30-50	---
	ECA		50-70	
Real Density	1.95-2	gr/cm3	-	ISO 8004
Apparent Density	1.55	gr/cm3	Min	ISO 12985
Open porosity	15-20	%	-	ISO 12985
Compressive Strength	30	N/mm2	Min	ISO 12989
Young's Modul	11	KN/mm2	Max	ISO 12989
Flextural strength	10	N/mm2	Min	ISO 2986
Specific electrical resistance	25	$\mu\Omega\text{m}$	Max	ISO 11713
Coeff. Of Thermal expansion	2-4.5	$\mu\text{m/k.m}$	Max	ISO 14420
Thermal Conductivity	17	W/k.m	Min	ISO 29087
Ash	2.5	%	Max	ISO 8005

Packing : in woodier case inside plastic bay with Two binding Steel
bolt