

Testing Properties

Testing Standards taken from API 936 Refractory Installation Quality Control – Inspection and Testing Monolithic Refractory Linings and Material.

Property	Test Method	Temperature	Range
Bulk Density	ASTM C134	Green, dried, fired (815°C/1000°C/1200°C)	Provide an average value
Cold Crushing Strength	ASTM C133	Dried & fired (815°C/1000°C/1200°C)	Provide an upper & lower limit
Abrasion Resistance	ASTM C704	Dried & fired (815°C/1000°C/1200°C)	Provide an average value
Permanent Linear Change	ASTM C113	Dried & fired (815°C/1000°C/1200°C)	Provide an average value
Chemical Analysis	XRF	—	Provide an average value
Thermal Conductivity	ASTM C201	At varied temperature	Provide an average value
Cold Modulus of Rupture	ASTM C133	Dried & fired (815°C/1000°C/1200°C)	Provide an upper & lower limit
Workability Index	ASTM C181	18°C to 24°C	Provide an average value
Flowability	ASTM C230	As per ASTM C862	Provide an average value
Apparent Porosity	ASTM C20	As per ASTM C20	Provide an average value
Sieve Analysis of Refractory	ASTM C92	Room Temperature	Provide an average value