



BHARAT MINERALS INDUSTRIES

PRODUCT :	MR IRK70
PRODUCT CLASS :	REFRACTORY MATERIAL
TYPES :	SINTERED MATERIAL

CHEMICAL ANALYSIS

PARAMETERS	Limit	Typical
Al ₂ O ₃ (Min)	70	70.2
Fe ₂ O ₃ (Max)	5	4.89
TiO ₂ (Max)	6	5.2
CaO (Max)	2.5	2.1

PHYSICAL ANALYSIS

PARAMETERS	Limit	Typical
A.P.(Max)	8	7
B.D. GM/CC (Min)	2.8	2.85



SIZE	0-1 mm	1-3 mm	3-5 mm	-170Mesh	-200Mesh	-325Mesh
FLUCTUATIONS	± 10 % Max	± 10 % Max	± 10 % Max	Passing 90%	Passing 90%	Passing 90%



BHARAT MINERALS INDUSTRIES

PRODUCT :	MR IRK75
PRODUCT CLASS :	REFRACTORY MATERIAL
TYPES :	SINTERED MATERIAL

CHEMICAL ANALYSIS

PARAMETERS	Limit	Typical
Al ₂ O ₃ (Min)	75	75.2
Fe ₂ O ₃ (Max)	4	3.8
TiO ₂ (Max)	5	4.8
CaO (Max)	2	1.9

PHYSICAL ANALYSIS

PARAMETERS	Limit	Typical
A.P.(Max)	8	7
B.D. GM/CC (Min)	2.9	2.92



SIZE	0-1 mm	1-3 mm	3-5 mm	-170Mesh	-200Mesh	-325Mesh
FLUCTUATIONS	± 10 % Max	± 10 % Max	± 10 % Max	Passing 90%	Passing 90%	Passing 90%



BHARAT MINERALS INDUSTRIES

PRODUCT :	MR IRK78
PRODUCT CLASS :	REFRACTORY MATERIAL
TYPES :	SINTERED MATERIAL

CHEMICAL ANALYSIS

PARAMETERS	Limit	Typical
Al ₂ O ₃ (Min)	78	78.6
Fe ₂ O ₃ (Max)	3.5	3.23
TiO ₂ (Max)	5	4.7
CaO (Max)	2	1.87

PHYSICAL ANALYSIS

PARAMETERS	Limit	Typical
A.P.(Max)	8	7
B.D. GM/CC (Min)	3	3.05



SIZE	0-1 mm	1-3 mm	3-5 mm	-170Mesh	-200Mesh	-325Mesh
FLUCTUATIONS	± 10 % Max	± 10 % Max	± 10 % Max	Passing 90%	Passing 90%	Passing 90%



BHARAT MINERALS INDUSTRIES

PRODUCT :	MR IRK80
PRODUCT CLASS :	REFRACTORY MATERIAL
TYPES :	SINTERED MATERIAL

CHEMICAL ANALYSIS

PARAMETERS	Limit	Typical
Al ₂ O ₃ (Min)	80	80.2
Fe ₂ O ₃ (Max)	3.2	3.05
TiO ₂ (Max)	5	4.2
CaO (Max)	1.8	1.48

PHYSICAL ANALYSIS

PARAMETERS	Limit	Typical
A.P.(Max)	8	7.5
B.D. GM/CC (Min)	3.15	3.2



SIZE	0-1 mm	1-3 mm	3-5 mm	-170Mesh	-200Mesh	-325Mesh
FLUCTUATIONS	± 10 % Max	± 10 % Max	± 10 % Max	Passing 90%	Passing 90%	Passing 90%



BHARAT MINERALS INDUSTRIES

PRODUCT :	MR IRK82
PRODUCT CLASS :	REFRACTORY MATERIAL
TYPES :	SINTERED MATERIAL

CHEMICAL ANALYSIS

PARAMETERS	Limit	Typical
Al ₂ O ₃ (Min)	82	82.5
Fe ₂ O ₃ (Max)	3	2.89
TiO ₂ (Max)	4	3.78
CaO (Max)	1.5	1.2

PHYSICAL ANALYSIS

PARAMETERS	Limit	Typical
A.P.(Max)	8	7.5
B.D. GM/CC (Min)	3.2	3.22



SIZE	0-1 mm	1-3 mm	3-5 mm	-170Mesh	-200Mesh	-325Mesh
FLUCTUATIONS	± 10 % Max	± 10 % Max	± 10 % Max	Passing 90%	Passing 90%	Passing 90%



BHARAT MINERALS INDUSTRIES

PRODUCT :	MR IRK85
PRODUCT CLASS :	REFRACTORY MATERIAL
TYPES :	SINTERED MATERIAL

CHEMICAL ANALYSIS

PARAMETERS	Limit	Typical
Al ₂ O ₃ (Min)	85	85.5
Fe ₂ O ₃ (Max)	2.8	2.56
TiO ₂ (Max)	4	3.56
CaO (Max)	1.5	1.1

PHYSICAL ANALYSIS

PARAMETERS	Limit	Typical
A.P.(Max)	8	7
B.D. GM/CC (Min)	3.2	3.23



SIZE	0-1 mm	1-3 mm	3-5 mm	-170Mesh	-200Mesh	-325Mesh
FLUCTUATIONS	± 10 % Max	± 10 % Max	± 10 % Max	Passing 90%	Passing 90%	Passing 90%



BHARAT MINERALS INDUSTRIES

PRODUCT :	MR IRK87
PRODUCT CLASS :	REFRACTORY MATERIAL
TYPES :	SINTERED MATERIAL

CHEMICAL ANALYSIS

PARAMETERS	Limit	Typical
Al ₂ O ₃ (Min)	87	87.5
Fe ₂ O ₃ (Max)	2.5	2.3
TiO ₂ (Max)	4	3.5
CaO (Max)	1	0.8

PHYSICAL ANALYSIS

PARAMETERS	Limit	Typical
A.P.(Max)	8	7
B.D. GM/CC (Min)	3.2	3.25



SIZE	0-1 mm	1-3 mm	3-5 mm	-170Mesh	-200Mesh	-325Mesh
FLUCTUATIONS	± 10 % Max	± 10 % Max	± 10 % Max	Passing 90%	Passing 90%	Passing 90%