

HUANGHE MINERALS CO.,LIMITED		Version: 2020
PRODUCTS SPECIFICATION		Code: M/P/qa
Product	Fused Spinel/Hercynite	Origin: China / LN/HN

Code	Fused spinel	Fused spinel	Fused spinel	Fused Spinel	Fused Hercynite			Fused spinel
	AR76	AR85	AR90	MR66	AF55	AF50	MF91	MFA35
	High purity Alumina Rich Spinel			Mgo Rich	Fused Hercynite			
Chemical property								
Al2O3	74-78	82-87	88-92	64-70	54-59	48-52	1	34-38
SiO2	0.4	0.4	0.2	0.4	1.5		1.2	1.5
Fe2O3	0.4	0.4	0.3	0.4	39-44	45-49	4-6	24-28
R2O	Na2O=0.4	Na2O=0.4	Na2O=0.4	Na2O=0.4				
Cao	0.5	0.5	0.3	0.5	1.5	1.5	1.5	1
MgO	20-24	12-17	7-11	28-34	3	3.5	91	34-38
Physical property								
AP	5	5	5	5	3		5	5
Particle BD	3.50 g/cc	3.55g/cc	3.55g/cc	3.40g/cc	4.0g/cc		3.4g/cc	3.50g/cc
Appearance	White/pink	White color	White color	Brown grey	Dark-glassy			
Mineralogy								
	Spinel	Spinel	Corundum	periclase	Hercynite		Periclase	Spinel
		Corundum	Spinel	Spinel			Hercynite	
Size								
	1. grains like 0-1/1-3/3-6mm, 6x14mesh, 14x30mesh,-40mesh, apply ISO,ASTM, JIS,DIN standard							
	2. Raymond milled powder -200mesh, -300mesh							
Pack								
	In 1mt bags / 25kg bags in big bag / 25kg bags on pallets shrink-wrapped							
Application								
	<ul style="list-style-type: none"> Alumina rich spinel is used as steel ladles due to its good thermal shock resistance, anti-erosion, slag resistance and anti-spalling. Magnesia rich spinel used mainly for make bricks for cement kilns to replace the Mag-chrome bricks, Fused hercynite and fused Magnesia ferrous alumina spinel are most new products, it was used in making bricks for cement kiln burning zone, in higher temperature it will form sticky glass layer on the surface, which will protect inside structure of the brick it has good performance on chemical attach, thermal shock, and abrasion, it increased the service life from 12moths (Magchrom bricks) to 18 months.... 							
Description								
	<ul style="list-style-type: none"> Fused Spinel is produced by the electric furnace fusion of alumina (Al₂O₃) and CC Mgo at temperatures in excess of 2200°C. Depending on the desired properties of the spinel, this material can be produced with varying degrees of MgO from alumina-rich to magnesia-rich. Fused Hercynite, magnesia ferric alumina spinel are newly produced most advanced synthetic materials, mixing high purity alumina, Ferric high purity Mgo and binding agent in the requested formulation, first pelletized and fusing in the EAF in a controlled reducing atmosphere. To get the state of art most advanced products. 							

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