

HUANGHE MINERALS CO.,LIMITED		Version: 2020
PRODUCTS SPECIFICATION		Code: T/P/qa
Product	Sintered Spinel	Origin: China / LN-HN

Code	Sintered Magnesia Alumina Spinel (High purity)			Sintered Magnesia alumina Spinel (
	ARS-90A	ARS-78A	MRS-66A	ARS-66B	ARS-58B
Chemical property					
Al ₂ O ₃	88-91	76-79	64-67	64-66	58-62
SiO ₂	0.2	0.3	0.4	4.0	3.5
Fe ₂ O ₃	0.3	0.3	0.3	1.5	1.5
R ₂ O	0.4	0.4	0.4	0.5	0.5
CaO	0.4	0.5	0.6	1.5	1.5
MgO	8-11	21-24	32-35	24-26	30-32
TiO ₂	Nil	Nil	Nil	2.7	2.7
ZrO ₂	Nil	Nil	Nil	Nil	Nil
Physical property					
Refractoriness					
AP	3	3	3	5	5
Particle BD	3.30 g/cc	3.3 g/cc	3.3 g/cc	3.10g/cc	3.10g/cc
Liner Expan					
Appearance	White	White	Cream-white	Grey Purple	Grey purple
Mineralogy					
Spinel phase	Major	Major	Major	Major Spinel phase	Spinel phase=85%min
Corundum	Minor				
Periclase			Minor		
Size	1. grains like 0-1/1-3/3-6mm, 6x14mesh, 14x30mesh, -40mesh apply ISO, JIS, DIN, ASTM 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"> 90A and 78A are Al₂O₃ rich spinel, used for steel ladle bricks or steel ladle castable due to its good thermal expansion rate, good density and slag resistance. Spinel fines also added to matrix to improve thermal shock, anti-slag performance and increase refractory hot strength. 66A,66B, 58B are MgO rich spinel used for basic refractory system. it has excellent thermal shock resistance, applied in cement kiln, glass furnaces, to replace the Mgo-Cr₂O₃ brick to reduce the harmful impact from Cr₆₊ 				
Description	Use high pure Bayer Alumina and High pure Magnesite mixing in right ratio and milling, palletizing, calcinations to form good spinel crystals.			Use selected higher grade bauxite and high-grade CCM magnesite, mixing in ration, milling, palletizing or bricked, calcinations in high temperature and form spinel crystals. Which has micro-expanding in high temperature.	

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