

<b>HUANGHE MINERALS CO.,LIMITED</b>		Version: 2020
<b>PRODUCTS SPECIFICATION</b>		Code: TP/QC
<b>Product</b>	Sintered Mullite HP / calcined mullite	Origin: China / SX/TJ

Code	SMUL-70A	SMUL-60A	MOX-80	MOX-70	MOX-60	MOX-47G	MOX47-W
	Sintered Mullite (High Purity)		Engineered Mullite Calcines				
Chemical property							
Al2O3	71-76	58-62	78-82	68-72	58-62	45-49	45-49
SiO2	23-28	38-41	14-18	26-30	36-41	47-53	53-55
Fe2O3	0.5	0.5	1-2	1.5	1.3	0.5-2	0.5-1.2
R2O	0.5	0.5	0.5	0.35	0.3	0.3	0.3
Cao	0.3	0.3	0.7	0.7	0.5	0.6	0.6
MgO	0.3	0.3					
TiO2	0.4	0.4	3	2-3	2-3	2-3	1-2
Physical property							
Refractoriness	2050	2050	1800	1800	1750	1700	1700
AP	3	3	3	3	3	1	3
Particle BD	2.80g/cc	2.70g/cc	3.15g/cc	2.80g/cc	2.70g/cc	2.6 g/cc	2.6g/cc
Line Expan coef	4.60x10 <sup>-6</sup>	-4.70x10 <sup>-6</sup>					4.4x10 <sup>-6</sup>
Appearance	White	White	Dar Grey	Grey	Grey	Grey-white	White
Mineralogy							
Glass phase	5-10	15-20	5	10-15	15-20	10-20	15-25
Mullite phase	90-95	80-85	25-40	80-85	75-80	65-75	65-75
Corundum			55-70		5	5	
Cristobalite				Tr	Tr	5-15	5-15
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							
	1. In 1mt bags, 1250kg Bag, 1350Kg bag / 2. 25kg bags in big bag / 3. 25kg bags on pallets shrink-wrapped						
Application							
	High purity, high refractoriness, used for castable for steel, glass industry, kiln furniture to make high performance bricks and shapes.			Engineered homogenous alumina silicate materials widely used to making high quality castable, it has good thermal shock resistance, anti-creeping, also the NC can be used for making kiln furniture and foundry sand.			
Description							
	High pure Bayer Al2O3 mixed with high pure kaolin, wet-mill, vacuum extrude, calcined in shaft kiln or rotary kiln to form well developed mullite crystal.			High purity bauxite mixed with high pure kaolin, wet-mill, vacuum extrude, drying and calcined in rotary kiln to form the well-developed mullite phase.			

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