

Secondary Kaolin

What is Secondary Kaolin?

Base rock transformed into kaolin mineral by the effects of hydrothermal action and weathering, laid down in sediments in marshes, etc., also called sedimentary clay (secondary clay). The crystalline structure is disordered, and it has a large impurity content, including lignite and coarse quartz particles.

Product List

Product name		Hymod SR	Ball clay M&D	Hymod KC	Hycast Rapid
Main applications		Refractories	Refractories	Refractories	Sanitary ware
Region of origin		England	USA	England	England
Chemical analysis value (%)	Igloss	11.0	10.8	9.2	18.0
	SiO ₂	50.0	56.6	54.0	53.0
	Al ₂ O ₃	33.0	27.8	30.0	30.0
	Fe ₂ O ₃	1.5	2.3	1.4	1.1
	CaO	0.3	0.5	0.3	0.2
	MgO	0.3	0.7	0.5	0.3
	Na ₂ O	0.2	0.2	0.4	0.2
	K ₂ O	1.6	0.6	3.1	1.7
TiO ₂	1.5	1.4	1.1	1.1	
Grain distribution (μ)	+53μm	0.5	—	0.4	3.0
	-10μm	—	99.0	—	—
	-2μm	92.0	97.0	86.0	87.0
Firing shrinkage (%)	1240°C	15.0	14.1	12.5	—
Characteristics		High strength secondary kaolin due to high viscosity	Demonstrates excellent strength for low water content.	High strength secondary kaolin	Excellent adhesion and optimal strength

Applications

Refractory materials, ceramics

Delivery formats

- Flexible containers : 1,000kg
- Paper bags : 25kg