IMERYS IS THE WORLD’S LARGEST PRODUCER OF WHITE INDUSTRIAL MINERALS.

Imerys supplies minerals to a wide range of industries, including polymers, rubber, plastics, paint, paper and ceramics. Specialist divisions serve each industry, so that our customers always deal with people who understand their business. This is supported by an absolute commitment to quality to ensure the consistency and reliability of our products and services.

Imerys Kaolin is a major supplier of calcined kaolins, silane treated calcined kaolins, hard and soft kaolins and specialized hydrous kaolins, to the European, USA and worldwide rubber and plastic industries. Strong technical understanding of our products and their applications in rubber and plastics complements the natural value of the minerals we supply.

Quick View

Kaolin
Typical Aspect Ratio: 5:1 / 100:1
Specific Gravity: 2.6
Refractive Index*: 1.56
MOH Hardness*: 2.5
Moisture (max %) 1.0
pH: 4.5 - 7.0

Calcined Kaolin
Particle Shape: Irregular, with surface voids
Specific Gravity: 2.6
Refractive Index*: 1.56
MOH Hardness*: 4.5
Moisture (max %) 0.5
pH: 6 - 7.5

*The data quoted are determined by the use of IMERYS Minerals Ltd Standard Test Methods

Our industry-focused team is dedicated to providing innovative commercial and technical solutions for our customers.

Our technical personnel have an established track record in the development of products for the rubber industry and an in-depth understanding of minerals for rubber and plastic applications.

Our new USA product and application development laboratory is well equipped and staffed to meet the technical requests of our customers.

WHAT IS KAOLIN?

Kaolin (china clay) is a hydrated aluminosilicate crystalline mineral (kaolinite) - a very high melting point and chemical resistance formed over many millions of years by the hydrothermal decomposition of granite rocks. Hydrous kaolin is characterized by its fine particle size, plate like or lamellar particle shape and chemical inertness.

Calcined Kaolin is an anhydrous aluminium silicate produced by heating ultrafine natural kaolin to high temperatures in a kiln. The calcination process increases whiteness and hardness, improves electrical properties, and alters the size and shape of the kaolin particles.

Our new USA product and application development laboratory is well equipped and staffed to meet the technical requests of our customers.

What Is Kaolin?

PoleStar® 450HP
High performance MetaKaolins for low voltage PVC cable compounds

PoleStar® 503S
Functional pigment for EPDM medium and high voltage cable insulation

Hydrite® TS90
Super ultra fine hydrous clay for improved TiO₂ spacing in white polyolefin masterbatch

Hydrite® SB 100
Hyper platy clay in Barrier applications | Inner tire applications

PoleStar® 400
Calcined kaolin for greenhouse films

Glomax™ LL
Reinforcing filler for seal and gasket applications

Polarite® 404S
Specialized kaolin for silicone rubber applications

Hydrite® SB 60
Hyper platy clay in Barrier applications | Inner tire applications

Polarite® 902A
Innovative reinforcing surface modified kaolins for polyamide and other engineering alloys/composites

Polarite® 502A
High brightness and color consistency functional kaolin for rubber compounds

Polarite® 403A

Physical Characteristics
GREEN AS WHITE CAN BE

PLASTIC & RUBBER APPLICATIONS
Improving formulations through the use of natural minerals

www.imerys-kaolin.com