

P15-NA corresponds to the mineral kaolinite, a layered silicate that occurs in nature. The name kaolinite is derived from the rock kaolin, of which it is the main component. Kaolin, in turn, is derived from the first place of discovery, the Chinese village 高嶺 Gaoling (from Chinese: gāo líng = high hill). Kaolinite has a Mohs' hardness of 2 to 2.5, a density of 2.61 to 2.68 g/cm<sup>3</sup>. In water, the mineral becomes plastically deformable. The mineral is a ubiquitous aluminium silicate in the soils of warm, humid regions. However, the mineral was already used there in 105 as a filler mineral in paper production. 600 years later, it was then used near the above-mentioned hill as a raw material for the Chinese ceramics and porcelain industry. The mineral is a ubiquitous aluminium silicate in the soils of warm, humid regions. It is cleaned and calcined before being used in the industry.

## Technical Specifications

### Chemical Data

Al <sub>2</sub> O <sub>3</sub>	> 99 %
Na <sub>2</sub> O	0,37 %
Fe <sub>2</sub> O <sub>3</sub>	0,015 %
SiO <sub>2</sub>	0,007 %

### Physical Data

D 10	0,5 – 1,2 µm
D 50 (Cilas)	2 – 5 µm
D 90	6 – 13 µm
Sieve Residue	< 0,003 %
Oil Absorption	60 – 80 %
Bulk Density, loose	250 – 400 g/l
Cut	<1
Polish	10



## Application

Water-borne interior flats, polyamides (6, 66 and blends), silicone rubber, solvent-borne interior flats, plastisols, mechanical rubber goods, TPE / TPO, TiO<sub>2</sub> extension, OEM electrodeposition coatings, polyester gel coats, EPR power cables and polishing.

Customs tariffs no. 2507.0020    Origin China    CAS no. 92704-41-1    MHD Unlimited in proper storage

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