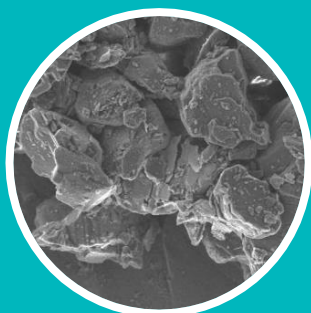


Aluminum Hydroxide / Al(OH)₃

Technical data sheet

APYRAL® 418

Mineral flame retardant



10 µm

APYRAL® 418

Product advantages

- defined particle size distribution
- Low viscosity
- Good packaging density
- High surface quality

Temporary Typical Values of APYRAL® 418

Analysis	Unit	APYRAL® 418
Al(OH) ₃	%	99.6
Water soluble Na ₂ O	%	0.04
Moisture (105 °C)	%	0.1
D ₁₀	µm	3.2
D ₅₀	µm	14
D ₉₀	µm	31
Sieve residue (> 45 µm)	%	0.25
Spec. surface area (BET)	m ² /g	1.6
Oil absorption*	ml/100g	20
Spec. conductivity	µS/cm	140
Bulk density	kg/m ³	700
Whiteness**	%	85

*Oleic acid; **Tappi Brightness (457 nm)

Application

- Construction industry
- Public transport
- E&E industry

Application Examples

Cable conduits

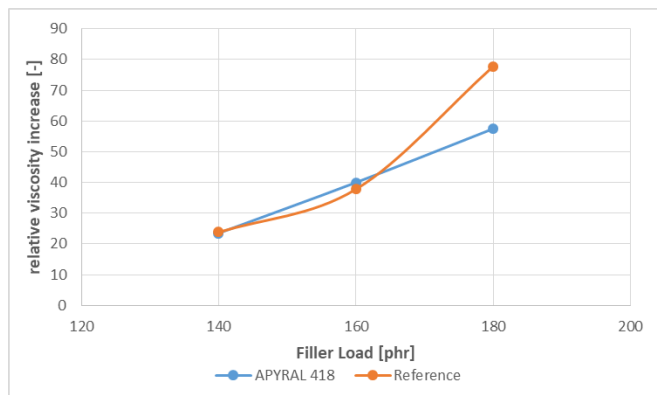


Components for electric industry



Product Information

Viscosity in UP-Resin Palapreg P17-02 (AOC-Aliancys)



Material constants Aluminum Hydroxide	APYRAL®
Chemical	Aluminum hydroxide
Chemical formula	Al(OH) ₃
Crystal structure	Gibbsite
Mohs hardness	3
Specific gravity [g/cm ³]	2.42
Refractive index	1.58

All data listed in this data sheet are reference values and subject to production tolerances. These values are exclusive to the product description and no guarantee is placed on the properties. It remains the responsibility of the users to test the suitability of the product for their application.