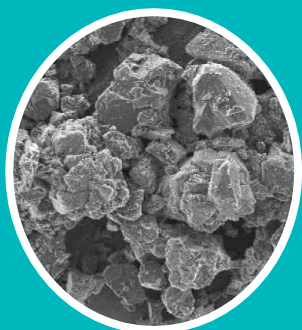


Aluminum Hydroxide / Al(OH)₃

Technical data sheet

APYRAL® 410

Mineral flame retardant



20 µm

APYRAL® 410

Product advantages

- broad particle size distribution
- Low viscosity
- Good packaging density
- Good Dispersability

Temporary Typical Values of APYRAL® 410

Analysis	Unit	APYRAL® 410
Al(OH) ₃	%	99.6
Water soluble Na ₂ O	%	0.05
Moisture (105 °C)	%	0.02
D ₁₀	µm	6
D ₅₀	µm	37
D ₉₀	µm	88
Sieve residue (> 45 µm)	%	36
Spec. surface area (BET)	m ² /g	1.0
Oil absorption*	ml/100g	18
Spec. conductivity	µS/cm	190
Bulk density	kg/m ³	940
Whiteness**	%	80

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

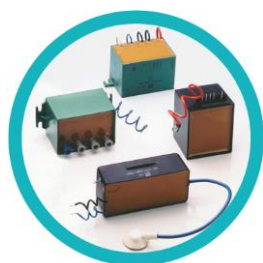
APYRAL® 410

Applications

- Adhesives Industry
- Paints, Carpet Beddings
- E&E industry

Application Examples

Electrical components

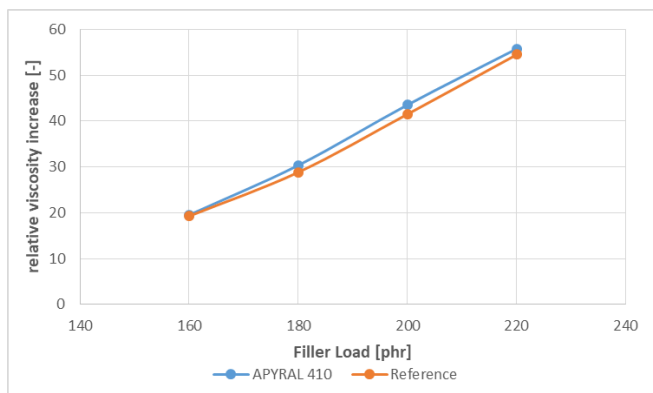


Paints



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.