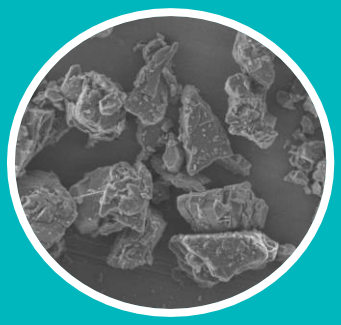
APYRAL®

Aluminum Hydroxide | $Al(OH)_3$

Technical data sheet

APYRAL® 420

Mineral flame retardant



APYRAL® 420

Product advantages

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

Temporary Typical Values of APYRAL® 420

Analysis	Unit	APYRAL® 420
$Al(OH)_3$	%	99.6
Water soluble Na_2O	%	0.04
Moisture (105 °C)	%	0.1
D_{10}	µm	3
D_{50}	µm	13
D_{90}	µm	30
Sieve residue (> 45 µm)	%	0.1
Spec. surface area (BET)	m^2/g	1.8
Oil absorption*	ml/100g	21
Spec. conductivity	µS/cm	140
Bulk density	kg/m^3	650
Whiteness**	%	85

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

APYRAL® 420

Application

- Construction industry
- Public transport
- E&E industry

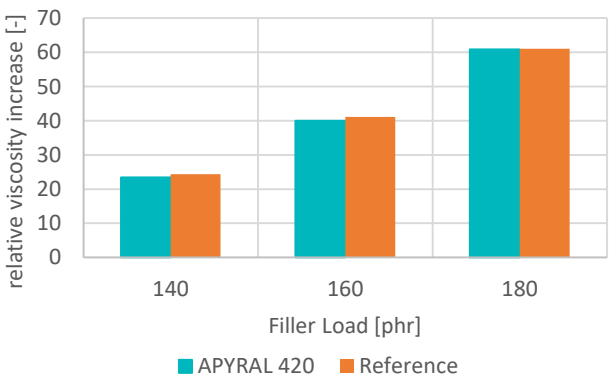
Application Examples

Cable conduits

Components for electric industry

Product Information

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



Material constants Aluminum Hydroxide	APYRAL®
Chemical	Aluminum hydroxide
Chemical formula	$Al(OH)_3$
Crystal structure	Gibbsite
Mohs hardness	3
Specific gravity [g/cm³]	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.

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