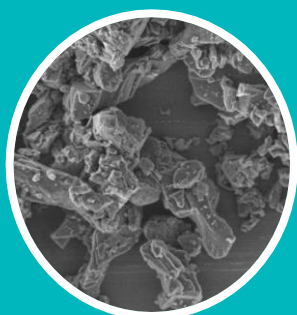


Aluminum Hydroxide / Al(OH)₃

Technical data sheet

APYRAL® 440

Mineral flame retardant



5 μm

APYRAL® 440

Product advantages

- Low particle size
- High surface area
- Good additive uptake
- High surface quality

Temporary Typical Values of APYRAL® 440

| Analysis | Unit | APYRAL® 440 |
|--------------------------|-------------------|-------------|
| Al(OH) ₃ | % | 99.6 |
| Moisture (105 °C) | % | 0.1 |
| D ₁₀ | μm | 1.7 |
| D ₅₀ | μm | 5.7 |
| D ₉₀ | μm | 13 |
| Sieve residue (> 45 μm) | % | 0.01 |
| Spec. surface area (BET) | m ² /g | 2.8 |
| Oil absorption* | ml/100g | 24 |
| Bulk density | kg/m ³ | 580 |
| Whiteness** | % | 88 |

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

Application

- Construction industry
- Public transport
- E&E industry

Application Examples

Cable conduits

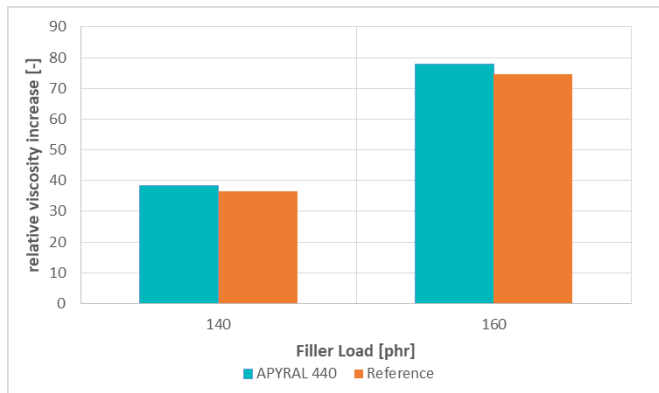


Components for electric industry



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.