

Nabaltec APYRAL® 200 SM Al(OH)3

Category : Ceramic , Oxide , Aluminum Oxide , Other Engineering Material , Additive/Filler for Polymer

Material Notes:

APYRAL ® from Nabaltec is an environmentally friendly halogen free product which is used as a flame retardant filler in a wide variety of rubber and polymeric materials. During thermal decomposition APYRAL ® does not generate toxic or corrosive gases. In addition, there is a distinct reduction in smoke density. APYRAL ® is effective in the crucial phase of the burning process before the outbreak of a fully developed fire. APYRAL ® can be used as a flame retardant filler in ThermosetsElastomersThermoplasticsCable CompoundsTechnical Rubber CompoundsPressed and cast Plastic PartsThermal Insulation FoamsGlass-fiber reinforced plasticsInformation provided by Nabaltec.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nabaltec-APYRAL-200-SM-AlOH3.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|----------------------------|----------------------------|---------------------------|
| Bulk Density | 0.200 g/cc | 0.00723 lb/in ³ | |
| Density | 2.40 g/cc | 0.0867 lb/in ³ | |
| Brightness | 98 % @Wavelength 457 nm | 98 % @Wavelength 457 nm | Whiteness; Elrepho |
| Oil Absorption | 48 % | 48 % | (ml/100 g) |
| Moisture Absorption at Equilibrium | 0.80 % | 0.80 % | |
| Loss On Ignition | 34.6 % | 34.6 % | |
| Particle Size | 0.40 µm | 0.40 µm | Median; Laser Diffraction |
| Specific Surface Area | 15 m ² /g | 15 m ² /g | BET |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Hardness, Mohs | 3 | 3 | |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Refractive Index | 1.58 | 1.58 | |

| Electrical Properties | Metric | English | Comments |
|------------------------|-------------|-------------|----------|
| Electrical Resistivity | 5000 ohm-cm | 5000 ohm-cm | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Aluminum Hydroxide (%) | 99.3 | |

Descriptive Properties

Value

Comments

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