

Mineralische Flammschutzmittel für
Mineral flame retardants for

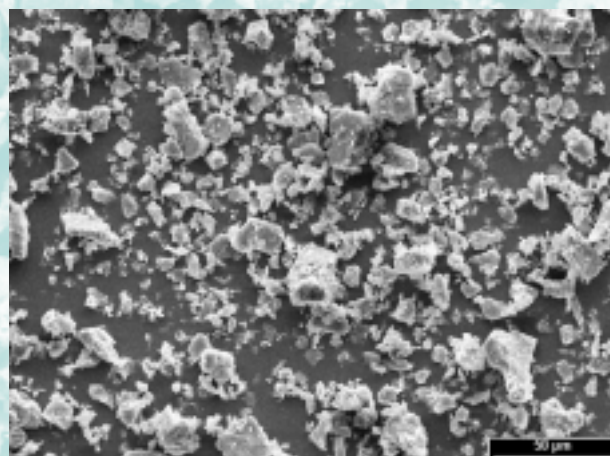
- **Bauindustrie / Construction industry**
- **Fahrzeugbau / Public transport**
- **Elektro-/Elektronikindustrie / Electronic industry**

APYRAL®

Durchschnittsanalyse / Typical analysis		APYRAL 16	APYRAL 24	APYRAL 32
Al (OH) ₃ - Gehalt / -Content	[%]	99.7	99.7	99.7
Feuchte / Moisture	[%]	0.1	0.15	0.15
Glühverlust / Loss on ignition	[%]	34.6	34.6	34.6
Teilchengröße / Particle size				
(Laserbeugung) / (Laser diffraction)	D ₁₀ [µm]	1.5	1.3	1.2
	D ₅₀ [µm]	12	8	6
	D ₉₀ [µm]	40	20	16
Siebückstand / Sieve analysis				
(> 45 µm)	[%]	3	0.1	0.01
Spezifische Oberfläche / Specific surface area				
(BET)	[m ² /g]	1.8	2.5	3.0
Schüttdichte / Bulk density				
	[kg/m ³]	750	650	640
Ölaufnahme / Oil absorption				
	[ml/100g]	17	19	21
Weißgrad / Whiteness				
(Elrepho 457 nm)	[%]	93	94	95
Spezifische Leitfähigkeit / Specific conductivity				
	[µS/cm]	50	60	60
Brechungsindex / Refractive index				
		1.58	1.58	1.58
Härteindex (Mohs) / Mohs hardness				
		2.5 - 3.5	2.5 - 3.5	2.5 - 3.5
Dichte / Density				
	[g/cm ³]	2.4	2.4	2.4

Produktvorteile / Product properties

- **Breite Kornverteilung**
Broad grain size distribution
- **Niedrige Viskosität**
Low viscosity
- **Hohe Oberflächengüte**
High surface quality
- **Gute Packungsdichte**
Good packing density



Beispiele für den Einsatz von APYRAL 16, APYRAL 24, APYRAL 32 / Examples for the use of APYRAL 16, APYRAL 24, APYRAL 32



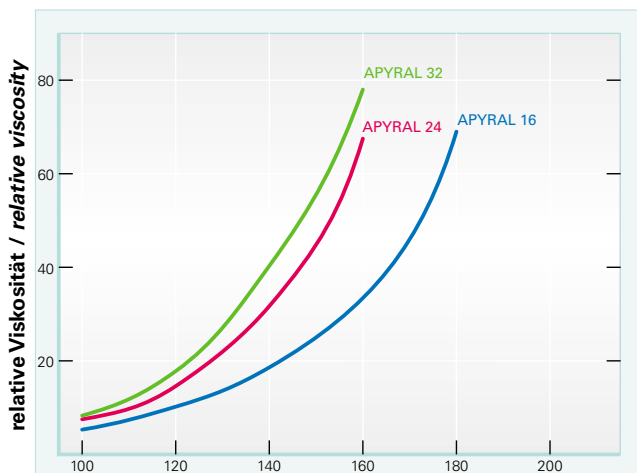
Kabelschacht / Cable conduit



Bauteile für den Elektrobereich
Components for electronic industry

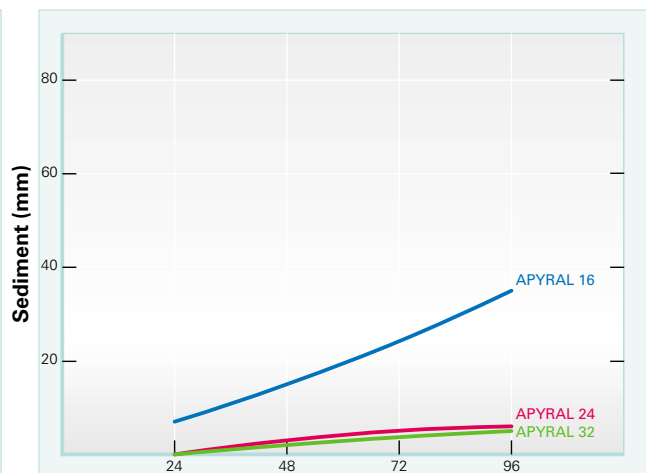
Produkt-/Product-Information

Viskositätsverhalten in UP-Harz Palapreg P17
Viscosity behaviour in UP-resin Palapreg P17



Teile ATH auf 100 Teile Harz / Parts of ATH in 100 parts of resin

Absetzverhalten in UP-Harz Palapreg P80 (Füllgrad 50%)
Settling behaviour in UP-resin Palapreg P80 (Filling level 50%)



Zeitdauer / Period of time (h)

For further information, please contact:

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All data listed in this brochure 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.