

**Mineralische Flammschutzmittel für**  
**Mineral flame retardants for**

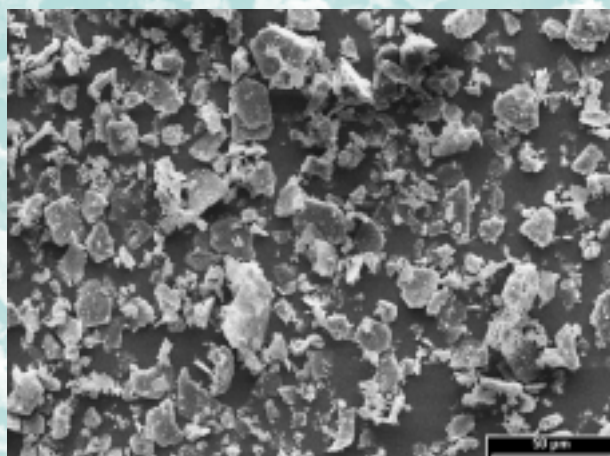
- **Elektro-/Elektronikindustrie / Electronic industry**
- **Farben / Paints**
- **Bauindustrie / Construction industry**

**APYRAL®**

<b>Durchschnittsanalyse / Typical analysis</b>		<b>APYRAL 8</b>	<b>APYRAL 15</b>
Al (OH) <sub>3</sub> - Gehalt / -Content	[%]	99.7	99.7
Feuchte / Moisture	[%]	0.1	0.2
Glühverlust / Loss on ignition	[%]	34.6	34.6
<b>Teilchengröße / Particle size</b>			
(Laserbeugung) / (Laser diffraction)	D <sub>10</sub> [µm]	3	3
	D <sub>50</sub> [µm]	15	12
	D <sub>90</sub> [µm]	30	23
<b>Siebrückstand / Sieve analysis</b>			
(> 45 µm)	[%]	3	0.1
<b>Spezifische Oberfläche / Specific surface area</b>			
(BET)	[m <sup>2</sup> /g]	1.3	1.7
<b>Schüttdichte / Bulk density</b>			
	[kg/m <sup>3</sup> ]	750	600
<b>Ölaufnahme / Oil absorption</b>			
	[ml/100g]	24	27
<b>Weißgrad / Whiteness</b>			
(Elrepho 457 nm)	[%]	92	93
<b>Spezifische Leitfähigkeit / Specific conductivity</b>			
	[µS/cm]	40	60
<b>Brechungsindex / Refractive index</b>			
		1.58	1.58
<b>Härteindex (Mohs) / Mohs hardness</b>			
		3	3
<b>Dichte / Density</b>			
	[g/cm <sup>3</sup> ]	2.4	2.4

**Produktvorteile / Product properties**

- **Enge Kornverteilung**  
*Narrow grain size distribution*
- **Plättchenförmiger Habitus**  
*Platy-like structure*
- **Geringe Sedimentation**  
*Low sedimentation*



## Beispiele für den Einsatz von APYRAL 8, APYRAL 15 / Examples for the use of APYRAL 8, APYRAL 15



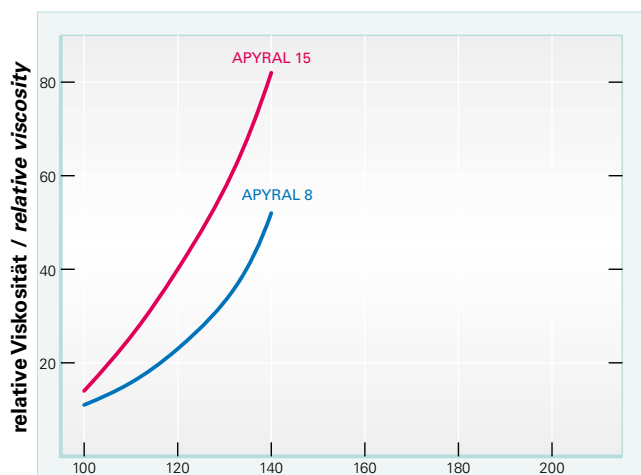
Fugendichtband / Joint sealing tape



Kabelfüllmischung / Cable bedding

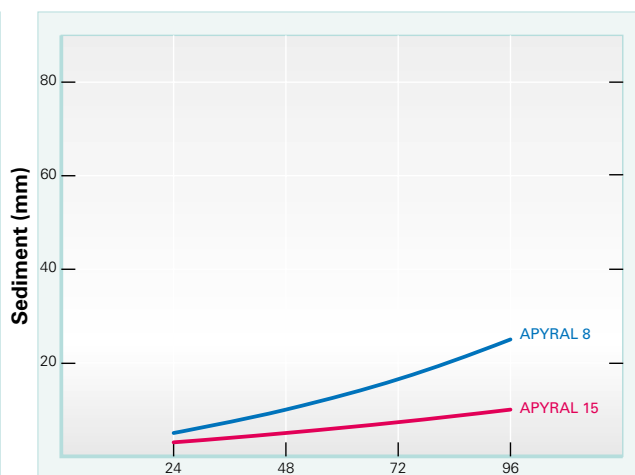
## Produkt-/Product-Information

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.