

**Produkt- / Product-Information**  
**APYRAL AOH 20, APYRAL AOH 30,**  
**APYRAL AOH 60**

Mineralische Flammschutzmittel für  
*Mineral flame retardants for*

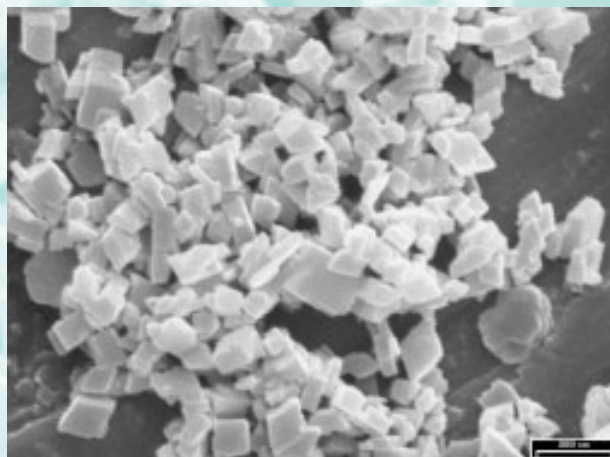
- Kabelindustrie / *Wire and cable industry*
- Elektronikindustrie / *Electronic industry*
- Fahrzeugbau / *Public transport*

**APYRAL®**

Durchschnittsanalyse / <i>Typical analysis</i>		APYRAL AOH 20	APYRAL AOH 30	APYRAL AOH 60
AlOOH - Gehalt / <i>-Content</i>	[%]	99	99	99
Feuchte / <i>Moisture</i>	[%]	0.2	0.12	0.2
Glühverlust / <i>Loss on ignition</i>	[%]	17	17	17
<b>Teilchengröße / <i>Particle size</i></b>				
(Laserbeugung) / <i>(Laser diffraction)</i>	D <sub>10</sub> [µm]	1.2	0.7	0.4
	D <sub>50</sub> [µm]	7	1.8	0.9
	D <sub>90</sub> [µm]	17	4.2	1.7
<b>Siebrückstände / <i>Sieve analysis</i></b>				
(> 45 µm)	[%]	0.2	0.01	0.02
<b>Spezifische Oberfläche / <i>Specific surface area</i></b>				
(BET)	[m <sup>2</sup> /g]	2	3	6
<b>Schüttdichte / <i>Bulk density</i></b>				
	[kg/m <sup>3</sup> ]	600	650	400
<b>Ölaufnahme / <i>Oil absorption</i></b>				
	[ml/100g]	35	28	30
<b>Weißgrad / <i>Whiteness</i></b>				
(Elrepho 457 nm)	[%]	90	93.6	98
<b>Spezifische Leitfähigkeit / <i>Specific conductivity</i></b>				
	[µS/cm]	120	25	65
<b>Brechungsindex / <i>Refractive index</i></b>				
		1.62	1.62	1.62
<b>Härteindex (Mohs) / <i>Mohs hardness</i></b>				
		3	3	3
<b>Dichte / <i>Density</i></b>				
	[g/cm <sup>3</sup> ]	3.0	3.0	3.0

**Produktvorteile / *Product properties***

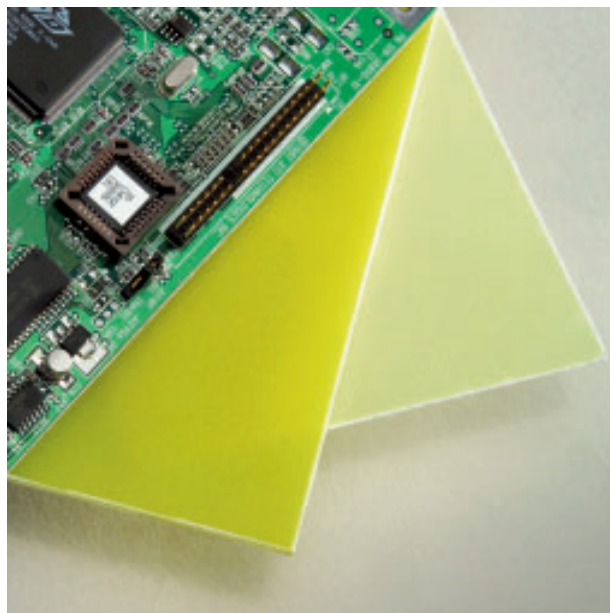
- Hohe Temperaturstabilität  
*High temperature applications*
- Verschiedene Korngrößen für unterschiedlichste Anwendungen  
*Various particle size distributions for different applications*
- Geringe Sedimentation bei niedriger Viskosität in Harzen  
*Low sedimentation at good viscosity performance in resins*
- Guter Aschebildner  
*Good char promoter*



Beispiele für den Einsatz von APYRAL AOH 20, APYRAL AOH 30, APYRAL AOH 60  
*Examples for the use of APYRAL AOH 20, APYRAL AOH 30, APYRAL AOH 60*



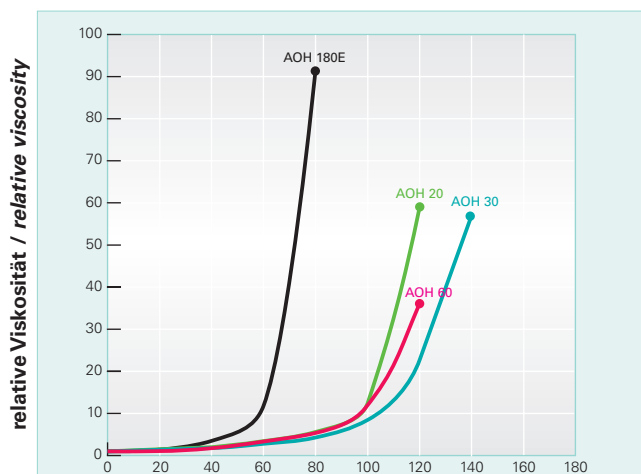
Gehäuse für Elektrogeräte  
*Housing of Electrical Parts*



Leiterplattenrohmaterialien; FR4-/FR5-Laminat  
*Raw materials for printed circuit boards; FR4/FR5 Laminates*

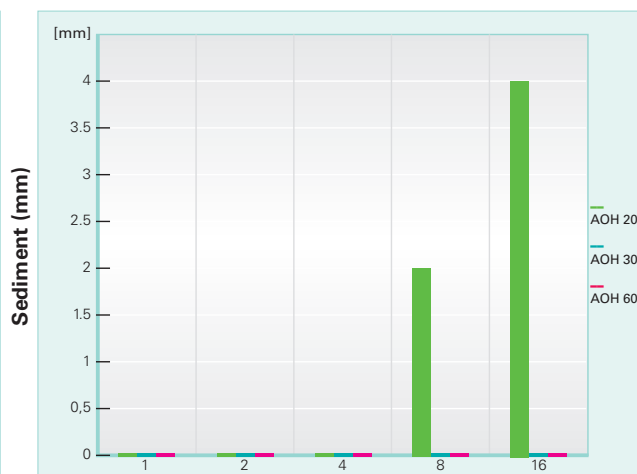
## Produkt- / Product-Information

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



Teile AOH auf 100 Teile Harz / *Parts of AOH in 100 parts of resin*

Absetzverhalten in UP-Harz Palapreg P17 Füllgrad 44%  
*Settling behaviour in UP-resin Palapreg P17 filling level 44%*



Zeitdauer / *Period of time (days)*

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.