

Produkt-/Product-Information
APYRAL 200 SM

Mineralisches Flammenschutzmittel für
Mineral flame retardant for

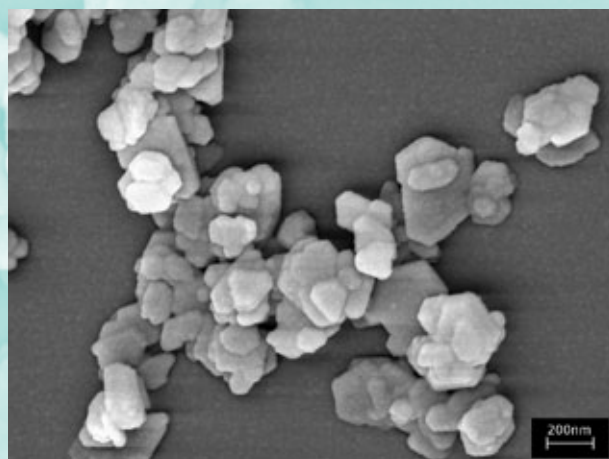
- **Kabel / Cable**
- **Elektro-/Elektronikindustrie / Electronic industry**
- **Bauindustrie / Construction industry**
- **Fahrzeugbau / Public transport**

APYRAL®

Durchschnittsanalyse / Typical analysis		APYRAL 200 SM
Al (OH) ₃ - Gehalt / -Content	[%]	99.3
Feuchte / Moisture	[%]	0.8
Glühverlust / Loss on ignition	[%]	34.6
Teilchengröße / Particle size		
NIBS / NIBS non invasive backscattering	D ₁₀ [µm]	0.3
	D ₅₀ [µm]	0.4
	D ₉₀ [µm]	0.8
Siebrückstände / Sieve analysis		
(> 45 µm)	[%]	0.05
Spezifische Oberfläche / Specific surface area		
(BET)	[m ² /g]	15
Schüttdichte / Bulk density		
	[kg/m ³]	200
Ölaufnahme / Oil absorption		
	[ml/100g]	48
Weißgrad / Whiteness		
	[%]	98
Spezifische Leitfähigkeit / Specific conductivity		
	[µS/cm]	200
Brechungsindex / Refractive index		
		1.58
Härteindex (Mohs) / Mohs hardness		
		3
Dichte / Density		
	[g/cm ³]	2.4

Produktvorteile / Product properties

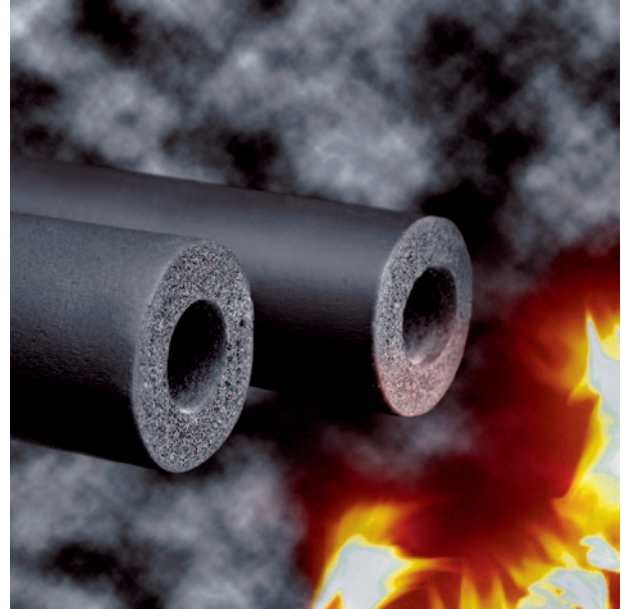
- **Partikel im Submikronbereich**
Particles in submicron scale
- **Gute Dispergierung ohne Zusatz von Organik**
Good dispersion without organic additives
- **Hohe BET-Oberfläche**
High BET-surface
- **Ideales Co-Flammenschutzmittel**
Ideal co-flame-retardant
- **Synergist zu organischen Flammenschutzmitteln**
Synergist for organic flame retardants



Beispiele für den Einsatz von APYRAL 200 SM / Examples for the use of APYRAL 200 SM



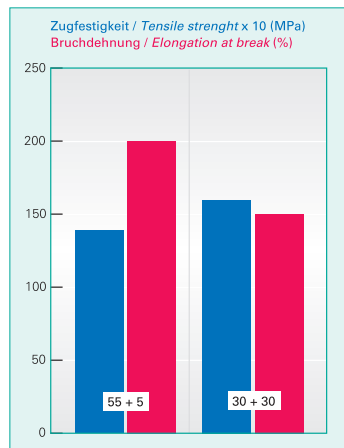
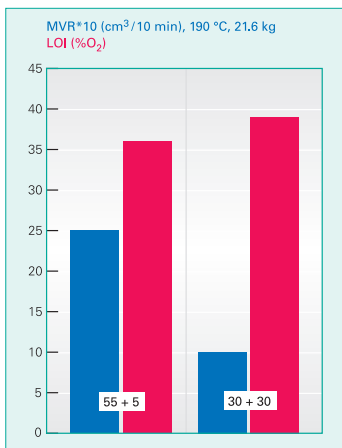
Halogenfrei flammgeschützte Kabel
Halogen free flame retardant cables



Rauchgasreduzierter Thermoisolationsschaum
Smoke suppressed thermoinsulation foam

Produkt- / Product-Information

Kenndaten von HFFR-EVA Kabelcompounds mit 60 Gew.-% (55 + 5 bzw. 30 + 30) APYRAL 40CD + APYRAL 200 SM
Parameters of an HFFR-EVA cable compounds comprising 60 wt.-% (55 + 5 or 30 + 30) APYRAL 40CD + APYRAL 200 SM



Anwendungsvorteile / Application features

- **Sehr effektiver Co-Flammschutz**
Very effective co-flame-retardant
- **Hohe Flexibilität in der Gestaltung des Compounds durch APYRAL-Abmischungen**
High flexibility in the compound formulation with different mixtures of APYRAL grades
- **Bestens geeignet für Elastomere und elastomerartige Compounds**
Highly recommended for elastomers and elastomer-like compounds
- **Ermöglicht das Erreichen strenger Flammschutzvorgaben nach CPD**
Enables stringent classification according to CPD (Construction Products Directive)

For further information, please contact:

Nabaltec AG
P. O. Box 1860 · D-92409 Schwandorf
Phone +49(0) 9431 53 - 0
Fax +49(0) 9431 61557
www.nabaltec.de

Business Unit Flame Retardants

Phone +49(0)9431 53-4 62/4 58/4 67
fillers@nabaltec.de

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.