

Mineralische Flammschutzmittel für
Mineral flame retardants for

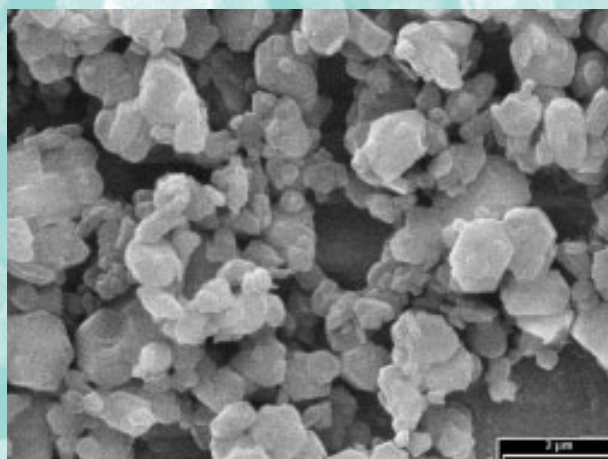
- **Kabel / Cable**
- **Elektro-/Elektronikindustrie / Electronic industry**
- **Bauindustrie / Construction industry**
- **Fahrzeugbau / Public transport**

APYRAL®

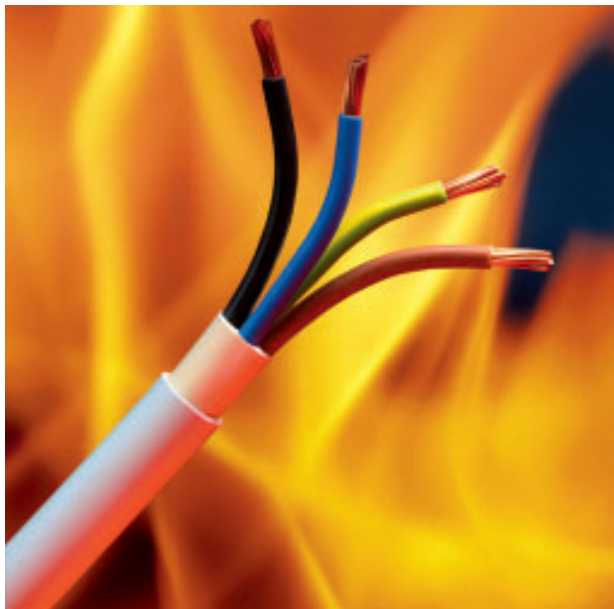
Durchschnittsanalyse / Typical analysis		APYRAL 40CD	APYRAL 60CD
Al (OH) ₃ - Gehalt / -Content	[%]	99.5	99.5
Feuchte / Moisture	[%]	0.3	0.3
Glühverlust / Loss on ignition	[%]	34.6	34.6
Teilchengröße / Particle size			
(Laserbeugung) / (Laser diffraction)	D ₁₀ [µm]	0.6	0.5
	D ₅₀ [µm]	1.3	1.0
	D ₉₀ [µm]	3.2	2.4
Siebrückstände / Sieve analysis			
(> 45 µm)	[%]	0.01	0.1
Spezifische Oberfläche / Specific surface area			
(BET)	[m ² /g]	3.5	6
Schüttdichte / Bulk density			
	[kg/m ³]	400	300
Ölaufnahme / Oil absorption			
	[ml/100g]	22	28
Weißgrad / Whiteness			
(Elrepho 457 nm)	[%]	98	98
Spezifische Leitfähigkeit / Specific conductivity			
	[µS/cm]	30	60
Brechungsindex / Refractive index			
		1.58	1.58
Härteindex (Mohs) / Mohs hardness			
		3	3
Dichte / Density			
	[g/cm ³]	2.4	2.4

Produktvorteile / Product properties

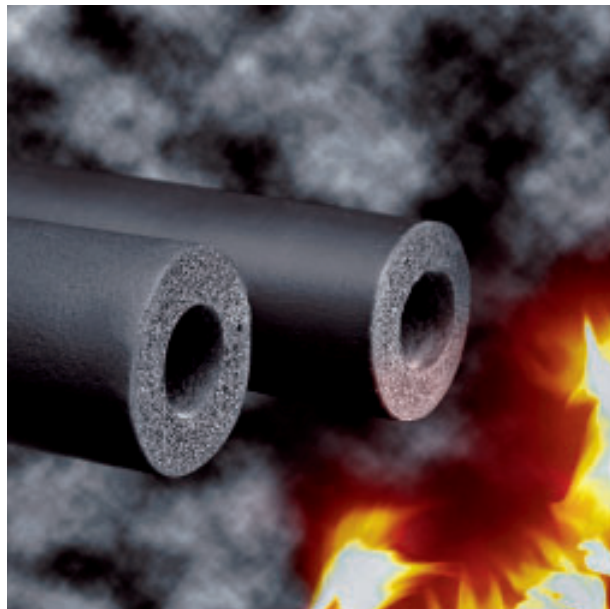
- **Gutes Förder- und Dosierverhalten**
Good conveyance and dosing
- **Hohe Feinheit**
Very fine particles
- **Sehr niedrige Ölaufnahme**
Very low oil absorption
- **Hohe Extrusionsgeschwindigkeiten**
High extrusion speeds
- **Exzellente mechanische Eigenschaften**
Excellent mechanical properties



Beispiele für den Einsatz von APYRAL 40CD, 60CD / Examples for the use of APYRAL 40CD, 60CD



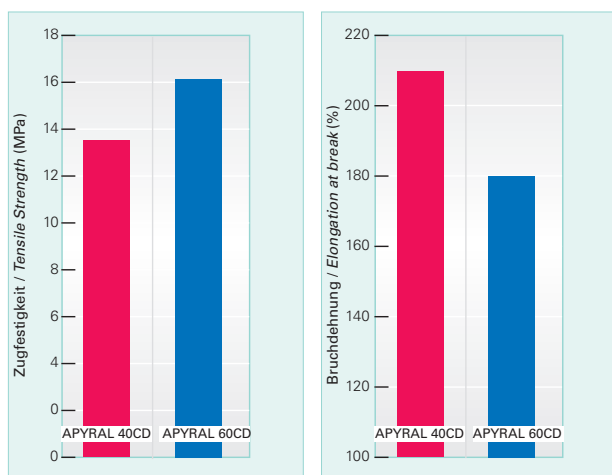
Halogenfrei flammgeschützte Kabel
Halogen free flame retardant cables



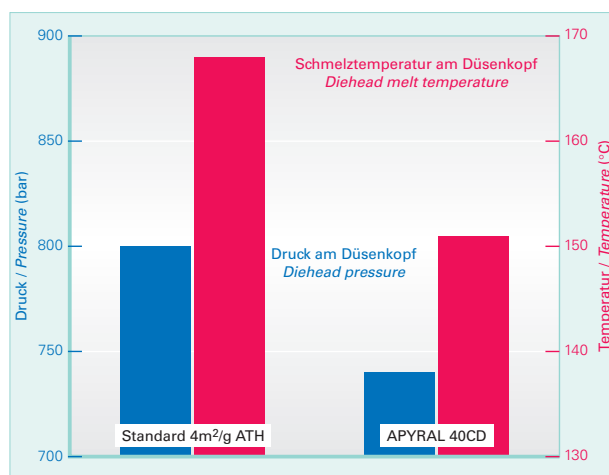
Rauchgasreduzierter Thermoisolationsschaum
Smoke suppressed thermoinsulation foam

Produkt- / Product-Information

Mechanische Eigenschaften eines HFFR-EVA Kabelcompounds
Mechanical properties of an HFFR-EVA cable compound



Extrusionsparameter eines HFFR-PE/EVA Compounds; Isolierung eines Kupferleiters mit 650 m/min
Extrusion parameters for an HFFR-PE/EVA Compound; Insulation of a copper wire at 650 m/min



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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.