

VENLOFR-RT2V

PRODUCT IDENTIFICATION

- **Chemical Name:** Magnesium Hydroxide
- **Physical Form:** White Powder
- **Cas Number :**1309-42-8

VENLOFR-RT2V is an inorganic powder. It promotes the thermal decomposition of water, can act as an air barrier, and also enables the decomposition of high-temperature oxide materials. Therefore, it not only serves as a flame retardant but also functions as a filler for non-corrosive halogen gases and harmful gases. It has high resolution temperature, so the performance of fire resistance is better than $Al(OH)_3$.

SPECIFICATION

Properties	Test Methods	Units	Values
Density (25 °C)	ASTM D 792	gr/cm ³	2,36
Bulk Density	Internal Method	g/mL	0.35±0.05
Mohs Hardness	Mohs Hardness	-	2,5
Refractive Index	ASTM D542	-	1.561 ±0.20
Decomposition Temperature	ASTM E2550	°C	340
Mg(OH) ₂	-	%	≥ 85
Whiteness	-	%	≥ 85
Sieve Residue (45µm)	-	%	≤ 0.5
Moisture	Internal Method	%	≤ 0.5
pH	-	%	9+2
Particle Size (D ₅₀ µm)	ISO 13320	%	5±2
Laser diffraction Size	ASTM E3340-22		800
LOI (1000 °C)	ISO 4589	%	30±2
Appearance	-	-	White Powder

APPLICATIONS

- VENLOFR-RT2V is widely used as PE, PP, PVC, ABS, PS, HIPS, PA, PBT, unsaturated polyester, epoxy, rubber and polymer materials such as fine flame retardants and fillers.
- Electronics, unsaturated polyesters and paints, coatings and other polymer materials, PVC conveyor belts, flame-retardant plastic sheet, tarpaulin, PVC wire and cable materials and mining flame retardant, smoke abatement and anti-static fields of the cable sheath, cable accessories, instead of aluminum hydroxide has excellent flame retardant effect.

PACKAGING & STORAGE

- Packaging: 1 pallet is 1250 kg pallet.
- VENLOFR-RT2V should be stored in a manner that avoids direct exposure to sunlight and heat (T < 30°C). This compound should be used within 6 months after its production date.

IMPORTANT NOTICE

Please read the Material Safety Data Sheet (MSDS) carefully before using this product.

