

Name	Famasil FR-VM
Description	Bonding agent / filler activator
Composition	Synergistic combination of organofunctional silanes with a polymer processing aid
Appearance	Colourless, clear liquid
Analytical Values	
Silane content [%]	95
Refractive index (25 °C) DIN 51423-2	1.3990-1.4020
Density at 25 °C [g/cm ³] DIN EN ISO 12185	0.88 – 0.96
Dosage	0.5 – 2 phr
Supply Form	190 kg steel drum / 25 kg can
Storage Stability	
In originally sealed package, in a cool and dry place	min. 1 year

Properties and Effects

Famasil FR-VM is a synergistic composition of vinyl and methacryl organosilanes in combination with a polymeric processing aid. The bifunctional silanes provide chemical bonds between inorganic substrates or fillers and the organic polymer. In mineral-filled polymers, the chemical connection to the filler results in improved mechanical and electrical properties, amongst others. Hydrophobising of the fillers results in an improved dispersion and compound processing. Furthermore, the vinyl function enables its use as a co-monomer.

Application

As a coupling agent in plastic compounds or cables, e.g. PE/EVA-based HFFR compounds with a high filler loading.

Handling

Direct water contact will release flammable products. Open drums only in a well-ventilated area and avoid direct contact. We recommend permanent nitrogen flooding. Please refer to the material safety data sheet for further information.

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