

Famasil FR-VM

Liquid Silanes

Description

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 comonomer

Composition

Synergistic combination of organofunctional silanes with a polymer processing aid

Application

As a coupling agent in plastic compounds or cables, e.g. PE/EVA based HFFR compounds with a high filler loading. Direct water contact will release flammable products. Open container only in a well ventilated area and avoid direct contact. We recommend permanent nitrogen flooding

Dosage

0.5 – 2.0 phr

Typical physical properties

		Unit
Colour	Colourless, clear liquid	/
Liquid content	95	%
Refractive index	1.3990 – 1.4020	25°C
Density at 25°C	0.88 – 0.96	g/cm ³

Benefits

For radical and peroxide cross-linking
Does not form any toxic methoxyethanol
Especially for highly loaded, flame retardent applications
Combines wetting and coupling fillers, therefore improves physical properties as well as processing behavior

Associated products

Deolink Amino TE-100
Deolink Methacryl TM-100
Deolink Vinyl TE-100
Deolink Vinyl-100
Deolink MX-100
Deolink TESPT-100

Storage

In originally sealed package in cool and dry places
Storage stability: min. 12 months

Supply Form

190 kg steel drum
25 kg can

German Food Legislation (BfR recommendation XXI)

Not approved

US Code of Federal Regulations, FDA – CFR Title 21, 177.2600

Not listed

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