



KNS-STAB44

Water Absorption Masterbatch

Product Information:

KNS-STAB44 is a Multifunctional Additive for HFFR cables compounds, cables production and other filled compounds in presence of Talc and various Silicates.

It helps to prevent discoloration of the cables due to the use of natural MDH/ATH in formulations, it eliminates problem of corrugated surface, it reduces viscosity and torque during the extrusion process, it improves dispersion of the fillers and mechanical properties, it imparts great hydrophobicity and reduced water absorption, so it's often used to pass Thermal Ageing tests under water conditions.

Product Applications:

KNS-STAB44 can be used in Compound or Cables Extrusion directly to imparts great Hydrophobicity and reduced Water Absorption. It performs very well in Underwater Thermal Ageing Tests ensuring the overcoming of them. It is also a Curing Agent for the chemical bond between the MAH grafted olefins and the fillers. It can be used in WPC application to impart Water Resistance, Hydro-Repellency and Scratch Resistance.

Typical Applications:

KNS-STAB44 can be used at dosage from 0,5% till 5% according to need, to the type of compound, to the specific field of application and requirements of the final product.

Product Data :

Property	Unit	Value
Physical Properties		
Bulk Density	g/cm ³	0,65
Density	g/cm ³	1,03
Total Additive Content	%	25
Spectrum Control	Infrared Spectrum	Pass

COMPARISON :

		TERMAL AGING AFTER 7 DAYS @ 70 °C				WATER IMMERSION AFTER 7 DAYS @ 70 °C			
		TS	TS var	E@B	E@B var	TS	TS var	E@B	E@B var
		MPa	%	%	%	MPa	%	%	%
EVA Based (ATH-MDH)	HFFR Compound	11,5	+15 %	155	-20 %	7,0	-43 %	256	+30 %
	+1% KK-SILSTAB 44	11,9	+4 %	180	-6 %	9,0	-13 %	221	+16 %

Packaging: It is packaged as 25 kg in aluminum bags, 1000 kg pallets.

Storage&Handling:

KNS-STAB44 should be stored in a manner that avoids direct exposure to sunlight and heat. The storage area should also be dry. KLINEKS does not provide a warranty for quality deterioration that is a result of faulty storage conditions.