



Semi structural adhesive based on MS Polymer™
high strength and elongation at break
75 Shore A

Basis silane-terminated polyether

Guide formulation of Kaneka		SSA-1
Kaneka Silyl™ SAX750	(1)	48.3
AKTIFIT VM	(2)	36.2
Aerosil R 8200	(3)	9.7
Tinuvin 770	(4)	0.5
Tinuvin 326	(4)	0.5
Irganox 245	(4)	0.5
Dynasylan VTMO *)	(3)	2.4
Dynasylan DAMO	(3)	1.0
TIB KAT 423	(5)	0.97
Total weight-%		100.0

)* The level of the vinyltrimethoxysilane is purely indicative and is dependent on polymer type, production process, raw materials and storage conditions. It should be determined individually to obtain storage stable products.

Suppliers

- (1) Kaneka
- (2) HOFFMANN MINERAL
- (3) Evonik Industries
- (4) BASF
- (5) TIB Chemicals



Properties

Storage, curing and testing @ standard conditions (23 °C / 50 % RH)

Viscosity , plate-plate, 500 µm gap, 7d

@ 0,1 s ⁻¹	Pa·s	6820
@ 0,5 s ⁻¹	Pa·s	1798
@ 5 s ⁻¹	Pa·s	405
@ 10 s ⁻¹	Pa·s	273

Curing

Tack free time, rubber glove	min	3
Skin formation, metall spatula	min	18
In-depth cure 1d	mm	2.4
In-depth cure 3d	mm	4.2
In-depth cure 7d	mm	6.3

Tensile test, 7d, S2 dumbbell

Modulus 50 %	MPa	2.6
Modulus 100 %	MPa	4.7
Tensile strength	MPa	8.3
Elongation at break	%	200

Tear resistance ISO 34-1, method B	N/mm	15
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Hardness	Shore	76
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lap shear test, stainless steel, 2 mm

1d	MPa	C2A1nc7	0.6
3d	MPa	C5nc5	1.6
7d	MPa	C8A2	3.2
14d	MPa	C8A2	3.2
7d + 7d cataplasma	MPa	AF	2.2

Handpeel test, 7d

stainless steel	C4A6
anodized aluminum	AF
AlMgSi0,5	AF
steel	AF
zinc coated steel	C6A4
PVC	AF
PS	AF
ABS	AF
PC	CF
PMMA	AF
fibre reinforced plastics	CF
glass	CF
beech wood	AF

C/CF = cohesive failure, A/AF = adhesive failure, nc = not cured

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