Dynasylan® 4148 –
A polar silane with chemically non-reactive side chain







Dynasylan® 4148 is a methoxy-based polyethyleneglycol-functional silane, ready-for-use and soluble in water and most organic solvents. Contrary to most other organo-functional silanes, **Dynasylan® 4148** features chemical polarity yet remaining chemically not reactive.

Dynasylan® 4148 – At a Glance

Attractive product profile

Product Description
- Non-reactive polar silane for polar systems
- Excellent compatibilizer of fillers and pigments in polar matrices
- Non-ionic rheology modifier, allows a significant increase in filler loadings in composites and water-based coatings

Easy to use

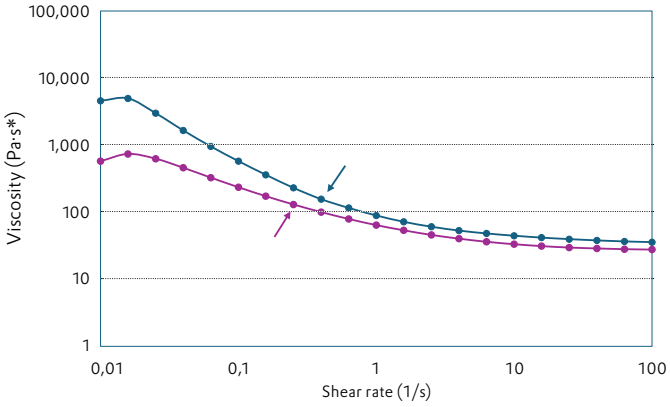
Typical Applications
- Surface modifier for inorganic fillers & pigments
- Highly filled HFFR compounds
- Highly filled composites (e.g. Sheet Moulding Composites)
- Formulations with polar resins like polyester or SMP (silane modified polymers)
- Compatilizer in aqueous dispersions, water based coatings, and color master batches
- Reduction of Fuzz-generation in glass-fiber sizings during the production of glass-fiber rovings

Dynasylan® 4148 – Outstanding filler loading capability and lowering viscosity

Dynasylan® 4148 silane-modified ATH in MS-polymer

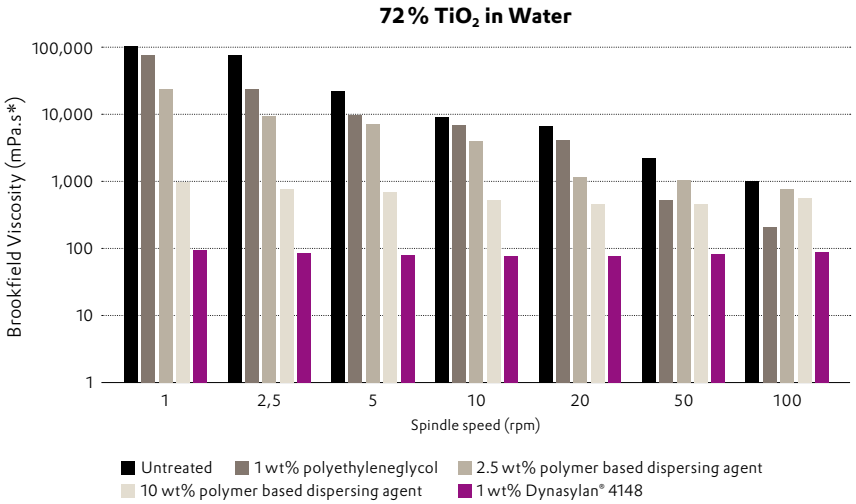
Formulation:
45 % MS-polymer® S303
55 % ATH
(Stored for 4 weeks@23 °C)

- The lower the viscosity the better
- Dynasylan® 4148 reduces the overall viscostiy of the compound significantly



Dynasylan® 4148 surface-modified TiO_2 in water

- The lower the viscosity the better
- The mixture with the Dynasylan® 4148 surface-modified TiO_2 shows the lowest viscosity and is not depending on the shear rate



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