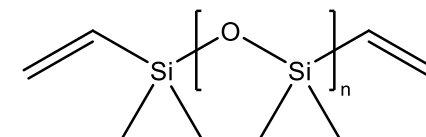






Which Polymer VS to choose?

Polymer VS is a series of pure, linear vinyl-terminated polydimethyl siloxane polymers for formulating addition-curing silicones. Together with the SiH compounds (Crosslinker 100/200, Modifier 700) they are forming the actual elastomeric network. The grades vary in their chain length and thus in their viscosity. Their product names indicate their viscosities in mPas (= cp).

Polymer VS usually forms the major part of the final formulation. As such it has a strong influence on its flowability and elasticity. Any of the grades can be combined to adjust viscosity.



Grade	Category	Formulation properties
Polymer VS 20	Fill & Spray 	<ul style="list-style-type: none"> • Best basis for sprayable formulations • Can accept highest filler loadings (>90 wt.-%) • Will need Modifier 700 series for decent elasticity
Polymer VS 50		
Polymer VS 100		
Polymer VS 200	Flow & Rebound 	<ul style="list-style-type: none"> • Self-levelling formulations even with significant filler levels • High Shore A hardness (up to 90) with elastomeric character
Polymer VS 500		
Polymer VS 1000		
Polymer VS 2000	Stretch & Perform 	<ul style="list-style-type: none"> • Medium viscosities for quick metering • High elongations with high tensile strengths (e.g. 600 % / 7 N/mm²)
Polymer VS 5000		
Polymer VS 10000		
Polymer VS 20000		
Polymer VS 65000	Stay & Expand 	<ul style="list-style-type: none"> • Maximum elongations (even >2000 %) • non-sagging, pasty formulations • Improves tear resistance by lasso effect • No filler settling
Polymer VS 100000		
Polymer VS 165000		