

## Basic Polymers and ingredients of KLINGER SCHÖNEBERG ball valve sealing materials:

Code	Fully name	Filler	Polymer	Deformation in % under load 100°C; 15 N/mm <sup>2</sup> ; 100 h; close to ASTM D621	Maximal permanent operating temperature in accordance of the operating pressure
<b>KF</b>	<b>KLINGER F</b> lon	no	Polytetrafluoroethylen purified	35,00 %	225°C
<b>KFM</b>	<b>KLINGER F</b> lon <b>M</b> odified	no	Polytetrafluoroethylen modified in its steric polymer design	21,00 %	225°C
<b>KFC</b>	<b>KLINGER F</b> lon <b>C</b> arbon reinforced	homogene Carbon	Polytetrafluoroethylen filled with 25% Carbon graphite (modified Carbon graphite with reduced adhaesion)	17,00 %	250°C
<b>KFCM</b>	<b>KLINGER F</b> lon <b>C</b> arbon reinforced <b>M</b> odified	homogene Carbon	Polytetrafluoroethylen modified + 25% Carbon graphite (modified Carbon graphite with reduced adhaesion)	13,50 %	250°C
<b>KFG</b>	<b>KLINGER F</b> lon <b>G</b> lass fibre reinforced	purified Glass fibre	Polytetrafluoroethylen filled with 25% Glass fibre	31,00 %	225°C
<b>KFGN</b>	<b>KLINGER F</b> lon <b>G</b> lass fibre reinforced <b>N</b> itrogen sint.	purified Glass fibre	Polytetrafluoroethylen filled with 25% Glass fibre Nitrogen sintered – free of porosity	17,60 %	225°C
<b>KFA</b>	<b>KLINGER F</b> lon <b>A</b> ntistatic Polymer	Carbon	Polytetrafluoroethylen + antistatic Carbon	n.a.	225°C
<b>KFAM</b>	<b>KLINGER F</b> lon <b>A</b> ntistatic Polymer <b>M</b> odified	Carbon	Polytetrafluoroethylen + antistativ Carbon modified	n.a.	225°C
<b>KFSM</b>	<b>KLINGER F</b> lon <b>S</b> tainless Steel <b>M</b> odified	SS 316	Polytetrafluoroethylen + Stainless Steel Modified	n.a.	225°C