



Properties of Adhesives at a Glance

Specifications	MV 760	MV 760VIS	LV 740	LV 740VIS
Viscosity:	medium 1500 mPas	medium 1500 mPas	low 80 mPas	low 80 mPas
Shear strength:	25 MPa	25 MPa	17 MPa	17 MPa
Bondline gap:	0.08 - 0.5 mm	0.08 - 0.5 mm	0.04 - 0.2 mm	0.04 - 0.2 mm
Max. allowable continuous temperature:	70 °C	70 °C	70 °C	70 °C
Temperature range:	-40 - +120 °C	-40 - +120 °C	-40 - +120 °C	-40 - +120 °C
Colour:	crystal clear	crystal clear	crystal clear	crystal clear
Capillary characteristics:	none	none	very good	very good
Compensation of tension:	limited	limited	limited	limited
Impact resistant:	yes	yes	no	no
Suitable for use with activator:	no	no	no	no
Vibration absorbing:	yes	yes	limited	limited
Moisture resistance:	yes	yes	yes	yes
UVA curing:	yes	yes	yes	yes
Light curing:	no	yes	no	yes
Construction:	open and closed	open and closed	open and closed	open and closed
Yellowing resistant:	yes	yes	yes	yes
Viscoelastic properties:	impact resistant	impact resistant	limited elasticity	limited elasticity

Specifications	B 665-0	B 682-T	B 678-0	B 690-0
Viscosity:	low 80 mPas	medium 900 mPas	medium 600 mPas	medium 600 mPas
Shear strength:	23 MPa	26 MPa	9 MPa	9 MPa
Bondline gap:	0.04 - 0.2 mm	0.09 - 0.5 mm	0.06 - 0.3 mm	0.06 - 0.3 mm
Max. allowable continuous temperature:	50 °C	50 °C	50 °C	50 °C
Temperature range:	-40 - +120 °C	-40 - +140 °C	-40 - +100 °C	-40 - +100 °C
Colour:	crystal clear	transparent	crystal clear	crystal clear
Capillary characteristics:	very good	none	limited	limited
Compensation of tension:	no	limited	very good	very good
Impact resistant:	no	yes	no	no
Suitable for use with activator:	no	yes	no	no
Vibration absorbing:	no	yes	high	high
Moisture resistance:	no	no	yes	yes
UVA curing:	yes	yes	yes	yes
Light curing:	no	no	yes	no
Construction:	open and closed	open and closed	closed	closed
Yellowing resistant:	no	no	yes	yes
Viscoelastic properties:	brittle	impact resistant	elastic	elastic

Specifications	420VIS
Viscosity:	medium 300 mPas
Shear strength:	6 MPa
Bondline gap:	0.07 - 0.2 mm
Max. allowable continuous temperature:	50 °C
Temperature range:	-55 - +120 °C
Colour:	crystal clear
Capillary characteristics:	limited
Compensation of tension:	very good
Impact resistant:	no
Suitable for use with activator:	no
Vibration absorbing:	yes
Moisture resistance:	no
UVA curing:	yes
Light curing:	yes
Construction:	closed
Yellowing resistant:	yes
Viscoelastic properties:	elastic

Temperature resistance

The temperature resistance refers to the maximum allowable continuous temperature at which the cured adhesive is not irreversibly damaged. With increasing temperatures, however, the maximum strength steadily decreases.

Tensile/Shear strength

When recommended minimum and maximum layer thicknesses are taken into consideration, the tensile/shear strengths listed in the table can be achieved.



Possible Bonds

Specifications	MV 760	MV 760VIS	LV 740	LV 740VIS
Glass/glass	yes	yes	yes	yes
Glass/metal	yes	yes	no	no
Tempered glass/tempered glass	yes	yes	yes	yes
Glass/stone	limited	limited	no	no
Glass/wood	limited	limited	no	no
Laminated safety glass/glass	limited	yes	limited	yes
Laminated safety glass/laminated safety glass	no	yes	no	yes
Laminated safety glass/stone	no	limited	no	no
Laminated safety glass/wood	no	limited	no	no
Laminated safety glass/metal	no	yes	no	no
Laminated safety glass/tempered glass	limited	yes	limited	yes
Glass/plastic	limited	limited	no	no
Laminated safety glass/plastic	no	limited	no	no
Plastic/plastic	no	no	no	no
Plastic/metal	no	no	no	no
Plastic/tempered glass	no	limited	no	no

Specifications	B 665-0	B 682-T	B 678-0	B 690-0
Glass/glass	yes	yes	yes	yes
Glass/metal	no	yes	limited	limited
Tempered glass/tempered glass	no	yes	yes	yes
Glass/stone	no	limited	limited	limited
Glass/wood	no	limited	limited	limited
Laminated safety glass/glass	limited	limited	yes	limited
Laminated safety glass/laminated safety glass	no	no	yes	no
Laminated safety glass/stone	no	no	limited	no
Laminated safety glass/wood	no	no	limited	no
Laminated safety glass/metal	no	no	limited	no
Laminated safety glass/tempered glass	no	limited	yes	limited
Glass/plastic	no	limited	limited	no
Laminated safety glass/plastic	no	no	limited	no
Plastic/plastic	no	no	no	no
Plastic/metal	no	no	no	no
Plastic/tempered glass	no	no	limited	no

Specifications	420VIS
Glass/glass	no
Glass/metal	no
Tempered glass/tempered glass	no
Glass/stone	no
Glass/wood	no
Laminated safety glass/glass	no
Laminated safety glass/laminated safety glass	no
Laminated safety glass/stone	no
Laminated safety glass/wood	no
Laminated safety glass/metal	no
Laminated safety glass/tempered glass	no
Glass/plastic	yes
Laminated safety glass/plastic	yes
Plastic/plastic	yes
Plastic/metal	yes
Plastic/tempered glass	yes
Description	suitable for bonding PMMA/PC/PET/ABS