

Technical sheet

Base	Sheet of acrylic glass which has been cast on a polymethylmethacrylate base. VOS is a synthetic thermoplastic material in the acrylic resin series.
Specific weight	1.18
Vicat softening point in bath of oil	98–102 °C
Refraction coefficient n_D^{20}	1.492
Water absorption (compared to when dry)	45 mg after 4 days, test specimens of 50 × 50 × 4 mm
UV absorption	Optical density of 1 between 280–270 nm
Crosslinking	None
Shock resistance	No breakage even when a steel ball of 12.7 mm is dropped from a max. height of 40–50 cm on to a disc of 30 mm in diameter at 20 °C (1.0 mm thick)
Stress-cracking	At 20 °C, cracks start after 24 hours At 40 °C, heavy formation of cracks after 24 hours Test method of the Laboratory of Horological Research in Neuchâtel. A sample of 50 × 10 × 1.2 mm is fixed under stress, in contact with a standard PVC sheet containing a particularly active softener. The appearance of stress cracking can be observed.
Colour change on the face	No change after 400 hours with the Marda S-1 400 W lamp
Tolerance	Up to 0.6 mm ± 10% From 1.0 mm ± 5% (watchmaking quality) ± 10% (standard quality)