



## GLS-PRO 20 - POLY ADDITION SILICON MOLD RUBBER

Platinum liquid silicone rubber, cold vulcanizing through a polyaddition reaction, to be used for casting. **Key features:**

- Medium-low viscosity, able to penetrate anywhere and reproduce every detail.
- Suitable for the construction of pit molds, i.e., single-valve, of small objects even very detailed and with strong undercuts, such as figurines, statues, bas-reliefs, candles, etc.,
- It can also be brought into a gel phase with THIXOTROPIC AGENT GSA for brush or spatula application.
- With some precautions, it is possible to also create two-part or inter-cavity molds, to reproduce objects of a more complex structure or larger dimensions.
- Thanks to a medium Pot-life (60' at 25°C) and a low viscosity, this rubber allows for the total escape of trapped air.
- Demolding can be carried out after about 15 hours at 25°C.
- The ease of use is given by the 1:1 volume ratio, but it is necessary to remember that GLS-PRO cannot be cast directly on some materials (e.g., products containing sulfur, like plasticines, polyester-based resins, PVC, tin, and heavy metals in ionic form, amines) to avoid inhibition of the catalysis.
- Like all silicone rubbers, this rubber is non-stick on all materials except other silicone materials in general, on which it may have a more or less tenacious adhesion. Therefore, when not using masters in such materials, the use of release agents can easily be used.
- Finally, it is necessary to pay attention to the use of silicone rubbers on porous materials such as natural stones, plasters, gypsum, terracotta.

### Technical specifications:

- Color after mixing: blue
- Usage ratio: 1:1 in volume and weight
- Shore A hardness: 20
- Linear shrinkage: < 0.1% (7 days after curing at 25°C)
- Tensile strength: 4.8 MPa (Film h=2 mm)
- Breaking elongation: 480% (Film h=2 mm)
- Tear elongation: 13.5±2 kN/m
- Pot Life at 25°C: 90 minutes
- Curing time at 25°C: 8 hours
- Demolding time at 25°C: 18 hours
- Final curing time at 25°C: 72 hours
- Specific weight: 1.05 gr/cm<sup>3</sup>
- Viscosity: 7000 ± 2000 mPas, 25°C

### SPECIFICHE

SKU	Size
54658	500 gr (250 + 250 gr)

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54659	1 kg (500 + 500 gr)
54660	5 kg (2,5 + 2,5 kg)