

## DESCRIPTION

*Soft negatives, flexible moulds for shapes having complex contours and undercuts.*

## PROPERTIES

- Long working time
- Vulcanized by polycondensation
- Non-transparent : grey
- Very low shrinkage if polyaddition at room temperature
- Good dimensional stability

PHYSICAL PROPERTIES				
Composition		RESIN	CATALYST	MIXED
Mix ratio by weight		100	10	
Aspect		paste	liquid	
Colour		beige	black	grey
Viscosity at 25°C (mPa.s)	BROOKFIELD LVT	50,000	-	25,000
Specific gravity at 25°C (g/cm <sup>3</sup> )	ISO 1675 : 1985	-	-	1.30
Pot life at 23°C on 150 g (min)	Gel Timer TECAM			90

MECHANICAL PROPERTIES at 23°C (1)			
Hardness	ISO 868 : 2003	A1 Shore	55
Tensile strength	ISO 37 : 2004	MPa	4,8
Elongation at break	ISO 37 : 2004	%	275
Tear strength <i>Notched angular specimens</i>	ISO 34 : 2004	kN/m	10
Linear shrinkage	-	%	NC

*(1) : Average values obtained on standard specimens / Hardening 7 days at room temperature. This ageing gives optimum stabilisation of the system.*

## HANDLING PRECAUTIONS

*Normal health and safety precautions should be observed when handling these products :*

- Ensure good ventilation
- Wear gloves, safety glasses and waterproof clothes.

*For further information, please consult the product safety data sheet.*

## POLYADDITION SILICONE ELASTOMER HARDNESS 55 A SHORE

### PROCESSING

Mix according to the indicated ratio. To eliminate the bubbles it is advised to degas under vacuum. Use a container 5 times bigger than the volume of mixing. Do not heat mixing above 35°C when preparing.

### REMARKS

It is possible to heat ESSIL 255 to accelerate its hardening but this may induce a higher shrinkage than the one obtained at 23°C as well as a higher hardness.

**Inhibition:** Polyaddition silicone elastomers show a quite high sensitivity towards some substances like amines, sulphides or catalysts of other types of silicones (eg: polyester mastics, modelling pastes). The effect of this irreversible inhibition is a sticky surface aspect in contact with the inhibitor agent.

### STORAGE CONDITIONS

Shelf life of both parts is 6 months in a dry place and in their original unopened containers at a temperature between 15 and 25°C.

### PACKAGING

<b>RESIN</b> 1 x 5 kg	<b>CATALYST</b> 1 x 0.50 kg
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### GUARANTEE

The information contained in this technical data sheet result from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON guarantee the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.