

# Catalyst Essil 291

## (Matrix SIL 291)

### Applications

Catalyst Essil 291 is a translucent resin suitable for soft negatives, flexible moulds for shapes having complex contours and undercuts in the prototype industry.

### Properties

- ▶ High transparency
- ▶ Good chemical resistance towards polyurethanes
- ▶ Vulcanised by polyaddition

MECHANICAL PROPERTIES AT 23°C			
Properties	Standard	Units	Result (7 Day Cure at Room Temperature)
Hardness	ISO 868 : 2003	Shore A1	38
Tenstile strength	ASTM D412C : 1997	MPa	5
Elongation at break	ASTM D412 : 1997	%	350
Tear strength (notched)	ASTM D624B : 1992	KN/m	24
Coefficient of linear expansion	-	$10^{-4}.K^{-1}$	3
Linear shrinkage	-	%	< 0.1
Linear shrinkage after curing at 70°C	-	%	< 0.7