

elastical silicone print material

SIL-1 / SIL-2H



layer thickness
30 µm
resolution

min. wall thickness
0,5 mm (SIL-1)/
0,3 mm (SIL-2H)

printed models with the resistance and the characteristics of silicone

very thin and elastic models make first design review possible

no breaking or tearing of models thanks to water-soluble support material

heat resistant like real silicone up to 150°C/302°F (SIL-1) / 200°C/392°F (SIL-2H)

Mechanical Characteristics

Description	Unit	ASTM	SIL-1
Tensile Strength	Mpa	D-412	0,5-0,8
Elongation at Fracture	%	D-412	160
Hardness Scale (Shore A)		D-2240	35
Ultimate Tensile Strength	kg/cm	D-624	3,1
Cured Mass Density	g/cm ³	D-792	1,03
Water Absorption	%		< 0,4

Description	Unit	ASTM	SIL-2H
Tensile Strength	Mpa	D-412	2,0-2,5
Elongation at Fracture	%	D-412	160
Hardness Scale (Shore A)		D-2240	65
Ultimate Tensile Strength	kg/cm	D-624	9
Cured Mass Density	g/cm ³	D-792	1,03
Water Absorption	%		<0,4

ASTM = American Society for Testing and Materials



elastical cable routing

