



FUSIONMOLD® SOFTCLEAR

1. Description

T0387 is a three component transparent polyurethane elastomer designed for vacuum casting.

1. Cured material is transparent.
2. Any desired hardness in a range from Shore A 30 to 80 can be obtained through the combined use of "component C" in different ratio.

2. Basic properties

Item		Value	Remarks
Product No.		T0387	
Apperance	A Comp.	Colorless transparent	Polyol (Freezes at temp. below 15°C)
	B Comp.	Pale yellow transparent	Isocyanate
	C Comp.	Pale yellow transparent	Polyol
Color of finished article		Transparent	
Viscosity (mPa.s,25°C)	A Comp.	450	Viscometer Type BM
	B Comp.	200	
	C Comp.	700	
Specific Gravity (25°C)	A Comp.	0.99	Standard hydrometer
	B Comp.	1.19	
	C Comp.	1.18	
Pot life	25°C	5 min 30 sec	Resin 100 g

Remarks: A component will freeze at temp. below 15°C. Melt it by heating and use after shaking well.

3. Basic Properties for A80, A70 and A60. Physical properties tested acc. to JIS K-7312

Mixing ratio	A:B:C	100:95:0	100:95:20	100:100:400
Hardness	Shore A	80	70	60
Tensile strenght	MPa	40	21	10
Elongation	%	300	300	300
Tear strenght	N/mm	44	28	28
S. G. of finished article	g/cm3	1.14	1.14	1.14

Basic Properties for A50, A40 and A30. Physical properties tested acc. to JIS K-7312

Mixing ratio	A:B:C	100:95:80	100:95:150	100:100:200
Hardness	Shore A	50	40	30
Tensile strenght	MPa	4.0	2.0	1.5
Elongation	%	270	300	260
Tear strenght	N/mm	17	13	10
S. G. of finished article	g/cm3	1.15	1.16	1.16

Remarks:

Curing condition: Mold temperature: 600C 600C x 120 min. + 250C x 1 day.

Physical properties listed above are typical values measured in our laboratory and not the values for specification. When using our product, it must be noted that physical properties of final product may differ depending on the contour of article and the molding condition.