

## Durathane CM 40A

**Composition** : It consists of two components, A and B, part A is polyols, and B is prepolymer ended capping with isocyanate.

**Characteristics** : It has excellent processing properties, solidification in common temperature, short time of demould, and regulating colors by adding pigment. The ware has good properties of abrasive resistance, waterproof, transparent, good elastic, and stable dimension.

**Application** : Substitution of silicone rubber makes mold for “cultural stone”. It also applies to electrical equipment potting, rubber rollers, rubber plates, rubber wheels, shoe models and other wares.

**Storage** : Store in a cool and dry place. If you can't use it up at a time, filling nitrogen gas and then sealing it, or it will easily absorb moisture and go bad. The storage time of original packing is 6 months.

**Packing** : 20 kgs/ pail

<b>A Component</b>	<b>Type</b>	Durathane CM 40A Part A
	<b>Appearance</b>	Light Yellow Liquid
	<b>Viscosity</b>	560 ± 200
<b>B Component</b>	<b>Type</b>	Duracure CM 40A Part B
	<b>Appearance</b>	Colorless or light yellow transparent liquid
	<b>Viscosity</b>	1500 ± 150
<b>A : B (Weight Proportion)</b>		A 100 : B 40 – 60
<b>Operation Temperature</b>		25 - 40°C
<b>Gel time</b>		20 – 25 min (Variable)
<b>Demold Time (Hrs/35°C)*</b>		24 hrs.

## Performance of Finished Product

<b>Appearance</b>	Light Yellow Elastomer
<b>Hardness (Shore A)</b>	40 ± 2 Shore A
<b>Tensile Strength (Mpa)</b>	4 – 7 Mpa
<b>Elongation at Break (%)</b>	450 – 550
<b>Tear Strength (KN/m)</b>	18 – 25
<b>Rebound(%)</b>	62
<b>Specific Gravity</b>	1.05

**Note :** *This testing result from room temp cure for 14 days before testing.  
For Maximize performance Post cure at room temp for 2 weeks.  
If cure at 80 c need post cure 8-10 hrs.*