

BC TS-1048 Polyol and BC TS 2009 Isocyanate

Three Component Polyurethane

COMPONENTS:

- A: BC TS-1048**
- B: BC TS-2009**
- C: BC Catalyst TS-C1**

Catalyst and Additives:

The adding amount of TS-C1 should be 3000 to 3400 grams per 220 kg of polyol and hardener should be 1000 to 1100 grams per 220 kg of polyol.

SPECIFICATIONS

Appearance	Unit	Milky White	Transparent Liquid
Viscosity at 35 °C	cps	2500-3500	200-300
Specific gravity		1.14-1.18	1.18-1.2
Mixing Ratio	By weight	100	120-128
Working Temp.	° C	50-60	50-60
Cream Time	Seconds	5-7	
Thread Time	Seconds	24-30	
Demolding time	Mins	3-4	
Mold temp.	° C	55-60	
Free rise density	g/cm ³	0.15-0.2	
Molding density	g/cm ³	0.25-0.4	



Mechanical Properties of Foam

Specific gravity	g/cm³	0.25-0.4
Shore Hardness	A	70-80
Elongation at Break	%	Greater than 200
Tensile Strength at Break	Mpa	Greater than 3
Tear Strength	KN/m	Greater than 15
Flexural Fatigue Resistance	No Breaking	

- The mixing ratio is based on best proportion. The ratio will be changed with the kind of dyes and its adding amounts.
- Free rise density vary with temperature and humidity
- Demold time maybe prolonged with increase of sole thickness

Packing:-

BC TS-1048 Polyol	220 Kgs
BC TS-2009 Isocyanate	250 Kgs
BC Catalyst TS-C1	200 Kgs

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