



GTP ButterOn 40 Urethane Elastomer

Description GTP *ButterOn* 40 is a two component urethane elastomer that is specifically formulated as brush on molding compound. After mixing, GTP *ButterOn* 40 thickens to a creamy butte r-able gel that can easily be brushed on to vertical or overhead surfaces without sagging or running. In 24 -hours GTP *ButterOn* 40 cures to a tough rubber mold and is ready for use. Some features of GTP *ButterOn* 40 include, good grease and oil resistance, easy 1 to 1 mix by volume, good adhesion between coats and it is insensitive to inhibition. It is also tough, with high tear resistance, is color coded for mix indication and has long mold storage life.

Application GTP *ButterOn* 40 is mixed 1 part of component A to 1 part of component B by volume, and has a working life of 10 to 15 minutes @ 72° F. Warmer temperatures will decrease working life where as colder temperatures will increase working life. GTP *ButterOn* 40 can also be mixed by weight: 100 parts of component A to 96 parts of component B.

GTP *ButterOn* 40 is fully cured in 24 hours @ 72° F. Colder curing temperatures will lengthen cure times. Warmer temperatures will greatly reduce working and curing times. For clean-up use methyl ethyl ketone (M.E.K.), acetone or mineral spirits.

Mix Ratio Component A and component B are supplied in 1 to 5 gallon containers. Component B should be thoroughly mixed before using. Component A does not need mixing. Carefully measure out equal portions of component A and component B by volume in separate co n- tainers. Mix small batches by hand with a spatula. Larger batches should be mixed using a “Jiffy mixer” and electric drill. While mixing material carefully scrape down sides and bo t- tom of container. Mixture gradually thickens over a 1 to 2 minute period to a creamy butte r- able consistency.

Typical Properties

	Viscosity	Specific Gravity	Weight Per Gallon
Component A	2500 cps	1.09	9.16 lb.
Component B	1100 cps	1.06	8.83 lb.
Mixed	500,000 cps	1.08	8.99 lb.
Mixing Ratio	By volume By weight		1 part A to 1 part B 100 parts A to 96 parts B
Work life			15 minutes @ 72° F
Set time			24 hours @ 72° F

Set time and Demold depend on temperature and relative humidity

Physical Properties

	Test Method	Value
Hardness	ASTM 2240-85	45 Shore A
Tensile strength	ASTM-D412	1076 psi
Elongation	ASTM-D412	408 %
Modulus (100%)	ASTM D412	358 psi
Modulus (200%)	ASTM D412	576 psi
Modulus (300%)	ASTM D412	822 psi
Tear strength	ASTM-624	244 lb./in.
Cubic inch per lb. of product		25.70
Color		Light Blue

Shelf Life

GTP *ButterOn* 40 is shipped from the factory in sealed containers. The containers should be stored in a cool dry area that is protected from direct sunlight and moisture. Storage temperatures should not exceed 80° F. The shelf life of factory sealed containers stored under these conditions is six months. Containers that have been opened should be resealed immediately after material has been removed in order to prevent solvent evaporation.

Packaging

GTP *ButterOn* 40 is available in convenient 2-quart, 2-gallon, 10-gallon, 60-gallon and 100-gallon kits. GTP *ButterOn* 40 has a non-hazardous rating for shipping.