



GTP UltraKast 605

Description

UltraKast 605 is a two component liquid castable polyurethane elastomer that contains no TDI or MOCA. The material when cured has outstanding physical properties. Exhibiting high tensile and tear strength along with exceptional abrasion resistance. It is insensitive to environmental moisture and exhibits low shrinkage. This product is reddish/brown in color. Some uses for UltraKast 605 include core box liners, metal forming pads, industrial parts and abrasion resistant pads and bumpers.

Application

Service temperature range is -50° F to 200° F.

Typical Properties

	Viscosity	Specific Gravity	Weight Per Gallon
Component A	7000 cps	1.03	8.59 lb.
Component B	100 cps	1.02	8.50 lb.
Mixed	4000 cps	1.03	8.59 lb.
Mixing Ratio	By volume By weight		100 parts A to 13 parts B 100 parts A to 13 parts B
Work life			10 minutes @ 77° F
Demold time			8 – 10 hours @ 77° F, 1 – 2 hours @ 150° F
Complete cure			7 days @ 77° F

Set time and Demold depend on temperature and relative humidity

Physical Properties

	Test Method	Value
Hardness	ASTM 2240	50 Shore D
Tensile strength	D-412-68	5,700
Elongation	D-412-68	100
Tear strength	D-412-68	1,400
Shrinkage (inch)	D-2566	0.0015
Density (A) g/cm ³ (lb./gal.)	ASTM D-792-66 8	.70 (1.044)
Density (B) g/cm ³ (lb./gal.)	ASTM D-792-66 8	.50 (1.02)
Color		Clear

Shelf Life

UltraKast 605 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

UltraKast 605 is available in convenient 1-quart, 2.61-gallon, 5.71-gallon, 31-gallon and 63-gallon kits. UltraKast 605 has a non-hazardous rating for shipping.