



# GTP RM 100

**Description** GTP-RM100 is a low viscosity, rapid setting, and rigid urethane compound with high strength and durometer. This system will cure quickly to a hard, tough impact resistant casting. GTP -RM100 is non-sensitive to moisture after cure and will readily bond to itself, as stage pours are required. The 1:1, by volume, mix ratio makes for easy hand or machine mix. GTP -RM100 is recommended in applications where a “thermoplastic feel” is desired.

## **Typical Properties**

	Viscosity	Specific Gravity	Weight Per Gallon
Component A	400 cps	1.19	9.94 lb.
Component B	800 cps	1.01	8.38 lb.
Mixed	500 cps	1.10	9.17 lb.
Mixing Ratio	By volume By weight		100 parts A to 100 parts B 100 parts A to 84 parts B
Work life			5 minutes @ 77° F
Demold time			30-45 minutes @ 77° F

Set time and Demold depend on temperature and relative humidity

## **Physical Properties**

	Test Method	Value
Hardness	ASTM 2240	70 Shore D
Tensile strength	ASTM-D 638	5600
Elongation	ASTM-D 638	3.5 %
Specific gravity (cured)	ASTM D-792	1.10
Impact strength	ASTM D-256	1.5 ft. lb/in
Linear shrinkage	ASTM D-2566	.0029 in/in
Deflection temperature	ASTM D-758	135° F
Machinability		Excellent
Cubic inch per lb. of product		25.2
Compression	ASTM D-695	3,985
Thermal coefficient of expansion (on/in/F)	ASTM D-696	13.2X10

Results obtained from a 7-day room temperature cure

Color	Light Cream
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## **Shelf Life**

GTP-RM100 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-RM100 is available in convenient 2-quart, 2-gallon, 10-gallon and 100-gallon kits. GTP-RM100 has a non-hazardous rating for shipping.