

# ADHESIVE



## EP45 TDS

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**Description** This is an unfilled, color-coded, fast setting clear epoxy that can be handled in 45 minutes. It does not contain fillers, it has superior bonding characteristics, high chemical resistance and may be immersed in water for extended periods. EP45 is an excellent choice for all purpose repair because it bonds to a wide variety of materials, including wood, ceramics, metals, fiberglass, glass and china.

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<b>Physical Properties @ 22°C</b>	<b>Clear</b>	
<b>Color:</b>		
<b>Shore "D" Hardness ASTM D2240:</b>	85	
<b>Viscosity Resin:</b>	10,500 cps	<b>Mixed:</b> 10,400 cps
<b>Viscosity Hardener:</b>	10,300 cps	
<b>Density Resin:</b>	8.30 wpg	<b>Mixed:</b> 8.45 wpg
<b>Density Hardener:</b>	8.60 wpg	
<b>Specific Gravity, Resin::</b>	0.996	<b>Mixed:</b> 1.01
<b>Specific Gravity, Hardener:</b>	1.032	
<b>Tensile Strength:</b>	2,500 psi	<b>Operating Temp:</b> -40°F to 200°F
<b>Shelf Life:</b>	1 Year	
<b>Maximum Use Temperature:</b>	250°F	

\*Deflection temperature is the temperature when a 1/2" x 1/2" x 5" bar (suspended at both ends) deflects 0.010 of an inch under a 264 psi fiber stress. The maximum service temperature may be far above this value depending on the application and the stress on the plastic at the high temperature.

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### Mixing & Cure Instructions

Ratio Parts by Weight:	Parts Resin	1
	Parts Hardener	1
Ratio Parts By Volume	Parts Resin	1
	Parts Hardener	1

Pot Life 100 gram Mass, Room Temp.(72°F) 45 min.

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