

LOCTITE®

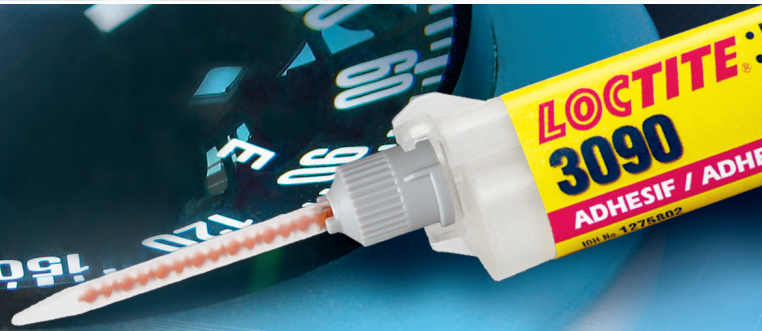
Loctite® 3090

Large-Gap Filling 2-Component Instant Adhesive

Loctite® 3090 represents the latest development in 2-component instant adhesive technology combining large-gap filling properties with high bond strength and fast cure.



Henkel



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Large-Gap Filling 2-Component Instant Adhesive



- **Handling strength in seconds**
- **Gap fill:**
 - up to 5 mm
- **Gel based:**
 - non-drip formula
- **Allows vertical and overhead application**
- **Innovative 2-component cyanoacrylate technology:**
 - cures quickly independently of gap and substrate
- **Excellent bonding characteristics on a broad variety of substrates:**
 - metals
 - most plastics* like PVC, ABS, PC, PBT
 - rubber
 - porous / absorbent materials such as wood, paper, cardboard, leather and fabric
- **Convenient syringe packaging:**
 - precise and clean application with the static mixer results in a controlled mix ratio

* Note: low surface energy plastics e.g. Acetal, PE, PP and PTFE will require priming with Loctite 770.

Technical data

Colour	uncured	clear
	cured	clear / slightly cloudy
Appearance	high viscosity thixotropic gel	
Viscosity	gel	
Mix ratio (volume)	10 : 1	
Nozzle working time	90 - 180 sec.	
Functional strength	2 - 4 min.	
Ultimate strength	24 h	

Properties of cured material

Lap shear strength, ISO 4587, after 24 hours, 22°C	Gap	0.05 mm	0.5 mm	2.0 mm
	Steel (grit blasted)	22.9 N/mm ²	15.1 N/mm ²	8.2 N/mm ²
	PVC	9.1 N/mm ²	15.1 N/mm ²	9.5 N/mm ²
	Polycarbonate	14.2 N/mm ²	6.4 N/mm ²	5.2 N/mm ²
High gap fill	up to 5 mm depending on bond geometry			
Temperature resistance	-20° to +80 °C (short term 100 °C)			
Chemical resistance	Good environmental resistance.			

The data contained herein are intended as reference only. Please contact Henkel Technical Support Group for assistance and recommendation on specifications for these products.



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