

ADVANCED FLEXIBLE CYANOACRYLATE - 751



Permabond 751 is a flexible cyanoacrylate engineered to provide an optimal balance of flexibility and strength.

Developed using advanced adhesive technology, Permabond 751 delivers improved chemical resistance and enhanced durability compared to other flexible cyanoacrylates, while maintaining long term flexibility even when exposed to challenging environments. With an elongation at break of 150%, it bridges the gap between extremely soft, low strength flexible grades and more rigid cyanoacrylates. It delivers excellent impact resistance and the ability to absorb vibration and mechanical stress even at low temperatures where other adhesives become brittle.

This single-part solvent-free adhesive requires no mixing or curing equipment, making it easy to dispense and ideal for automated production. Permabond 751 bonds a wide range of plastics, rubbers, and metals, making it well suited for medical device assembly, flexible plastics, and demanding industrial applications involving dissimilar materials or differential thermal expansion.



KEY FEATURES:

- ▶ Highly flexible cyanoacrylate adhesive
- ▶ Bonds to challenging plastics like TPE, PEEK, and PC
- ▶ Single-part (no mixing required)
- ▶ Solvent-free - reduces workplace hazards
- ▶ No curing equipment required (no heat or UV needed)
- ▶ Good environmental resistance
- ▶ Good shock, impact, and vibration resistance
- ▶ Thermal shock resistance
- ▶ Passed ISO 10993-5 cytotoxicity testing
- ▶ Suitable for dissimilar materials (handles differences in CTE)
- ▶ Improved sub-zero performance

IDEAL FOR BONDING:

- ABS
- Acrylic
- EPDM
- Leather
- NBR
- Paper
- Polycarbonate
- PEEK
- Steel
- TPE
- *And many more!*





DESCRIPTION

The following technical data for Permabond 751 is a guideline and does not constitute a specification. For full technical information, please refer to the technical data sheet, available at permabond.com. Please contact Permabond to discuss your bonding project.

	751	
Description	Flexible cyanoacrylate	
Appearance	Clear	
Features	Optimal strength to flexibility ratio, good on medical plastics	
Viscosity @ 25°C (77°F)	150 (mPa.s) cP	
Max gap fill	0.15 mm (0.006 in)	
Shear Strength	Mild Steel	13 N/mm ² (1885 psi)
	Aluminium	11 N/mm ² (1595 psi)
	PC	5 N/mm ² (725 psi) SF*
	PVC	4 N/mm ² (580 psi)
	ABS	7 N/mm ² (1015 psi) SF*
Hardness	80 Shore A	
Elongation at break	150%	
Fixture/handling time	5 seconds (Aluminium) 5 seconds (Mild Steel) 4 seconds (ABS) 2 seconds (NBR)	4 seconds (EPDM) 5 seconds (Paper) 5-20 seconds (Leather)
Full strength	24 hours	
Service temperature	-55°C (-65°F) to +80°C (+180°F)	
Storage temperature	2 to 7°C (35 to 44°F)	
Packaging	1 oz and 1 lb bottles, bulk on request	

*SF = substrate failure

What is elongation at break?

Elongation at break measures how much an adhesive can stretch before it fails. It indicates flexibility and toughness, helping predict how well a bond will withstand movement, vibration, or thermal expansion. Adhesives with higher elongation are less likely to crack under stress, improving durability and long-term performance.

Authorized distributor stamp:

tewipack
klebtechnik

tewipack Uhl GmbH
Industriestraße 15
D-75382 Althengstett
www.tewipack.de

info@tewipack.de
T +49 (7051) 9297 0
shop.tewipack.de

KLEBEN VERBINDET |    

The information given and the recommendations made herein are based on our experience and are believed to be accurate. No guarantee as to, or responsibility for, their accuracy can be given or accepted, however, and no statement herein is to be treated as a representation or warranty. In every case we urge and recommend that purchasers, before using any product, make their own tests to determine, to their own satisfaction, its suitability for their particular purposes under their own operating conditions. Always refer to current product technical datasheet for most recent and accurate technical information.