

# Permabond®

## Flexible Cyanoacrylates

ISO 9001:2015 Certified  
"Our Science ... Your Success"

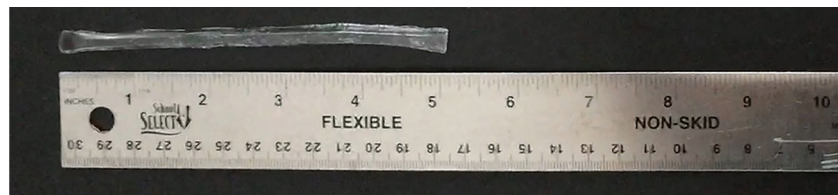
Permabond Flexible Cyanoacrylates are a new concept in the field of cyanoacrylate adhesives. They offer flexibility, high elongation, and softness while maintaining the setting speed of standard cyanoacrylates.

Traditionally, toughened cyanoacrylates have been referred to as flexible because they were considerably more resilient than standard cyanoacrylates which are hard and brittle. However, these new flexible cyanoacrylates take flexibility to the next level!

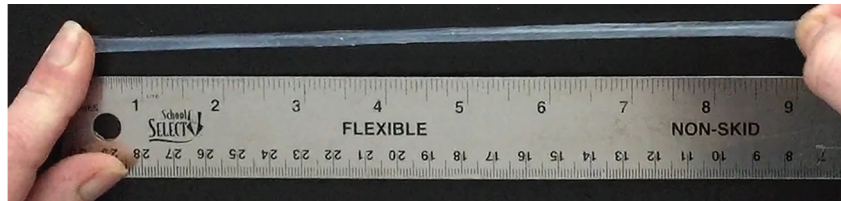
### Permabond® Flexible Cyanoacrylates Features & Benefits

- Highly flexible
- High elongation
- Fast setting
- Solvent free
- Fills porosities
- Available in a range of viscosities
- Excellent adhesion to a wide range of surfaces
- Ideal for bonding and sealing dissimilar surfaces
- Ideal for bonding soft, porous and flexible substrates
- Helps maintain substrate flexibility with no "crispy" feeling

### Truly FLEXIBLE adhesives!



Above, is a 13cm strip of cured Permabond 743.  
Below, it is easily stretched from 13cm long to 23cm!  
After stretching, it shrinks back.



### The flexibility and elongation of these products makes them ideal for:

- Conveyor systems
- Flexible cable strain relief
- Expansion joints, bellows
- O-rings, seals & gaskets
- Threadlocking plastic (use Permabond 743)
- Flexible rubber trim
- Film props and special effects
- Prosthetics
- Tamper-proofing

### Ideal for bonding:

- ABS
- Acrylic
- Latex
- Leather
- Neoprene
- Polycarbonate
- Polyurethane
- PVC
- Rubber
- Silicone\*
- Steel
- Textiles
- Viton

+ Many more materials

\*Use POP Primer

# Flexible Cyanoacrylates Product Data

The following product data for Permabond flexible cyanoacrylates is a guideline and does not constitute a specification. For more information please review the product technical data sheets.

Product		741	743	743HT	748
Key features		Fast setting Low viscosity	High elongation Low strength threadlocking of plastic nuts & bolts Low viscosity Flexible & soft	High elongation Thixotropic Flexible & soft	Higher strength on metals Thixotropic gel
Viscosity mPas		2-3	2-3	Thixotropic 2 rpm 10,000-20,000 20 rpm 2,000-5,000	Thixotropic Gel 2 rpm 30,000-50,000 20 rpm 2,000-8,000
Elongation		125%	400%	350%	65%
Shore Hardness		~D50	~A60	~A60	~D30
Fixture Time	ABS	2-5 secs	2-7 secs	5-10 secs	3-6 secs
	NBR Rubber	2-7 secs	2-7 secs	5-10 secs	2-5 secs
	Polycarbonate	10-20 secs	10-20 secs	10-20 secs	10-20 secs
	Silicone*	2-5 secs	2-5 secs	2-5 secs	2-5 secs
	Steel	1-5 secs	1-5 secs	2-5 secs	2-5 secs
Shear Strength	ABS	3-4 N/mm <sup>2</sup>	1-2 N/mm <sup>2</sup>	2-4 N/mm <sup>2</sup>	2-4 N/mm <sup>2</sup>
	Acrylic	3-4 N/mm <sup>2</sup>	2-3 N/mm <sup>2</sup>	1-2 N/mm <sup>2</sup>	2-4 N/mm <sup>2</sup>
	Polycarbonate	6-8 N/mm <sup>2</sup>	6-8 N/mm <sup>2</sup>	4-6 N/mm <sup>2</sup>	5-7 N/mm <sup>2</sup>
	Steel	6-8 N/mm <sup>2</sup>	0.5-1.5 N/mm <sup>2</sup>	1-2 N/mm <sup>2</sup>	8-12 N/mm <sup>2</sup>

\*Use POP Primer

For full technical information, please refer to product data sheet

Distributor Stamp

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