

**Chem-Set**<sup>™</sup> Flexible Cyanoacrylates are a new concept in the field of cyanoacrylate adhesives. They offer flexibility, high elongation, and softness while maintaining the set speed of standard cyanoacrylates.

In years past, toughened cyanoacrylates have been referred to as flexible because they were considerably more resilient than standard cyanoacrylates which are hard and brittle.

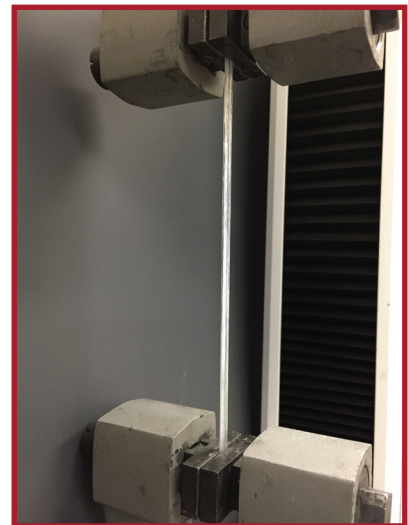
These new flexible cyanoacrylates are truly FLEXIBLE!

**Chem-Set**<sup>™</sup> Flexible Cyanoacrylates:  
**Chem-Set**<sup>™</sup> 71 • **Chem-Set**<sup>™</sup> 73  
**Chem-Set**<sup>™</sup> 73HT • **Chem-Set**<sup>™</sup> 78



**Chem-Set**<sup>™</sup> Flexible Cyanoacrylates  
*Features & Benefits*

- Highly Flexible
- High Elongation
- Available in a range of viscosities
- Solvent free
- Ideal for use on dissimilar surfaces
- Excellent adhesion to a wide range of surfaces



*Above, a cured sample of Chem-Set*<sup>™</sup> 73 flexible cyanoacrylate is stretched to four times its original length!

The following product data for **Chem-Set**<sup>™</sup> flexible cyanoacrylates is a guideline and does not constitute a specification. For more information please review the product technical data sheets.

	<b>71</b>	<b>73</b>	<b>73HT</b>	<b>78</b>
<b>Key feature</b>	Fast setting	High elongation	High elongation / Thixo	Ideal for metals
<b>Viscosity</b>	2-3 cP	2-3 cP	Thixotropic 2 rpm 10,000-20,000 cP 20 rpm 2,000-5,000 cP	Thixotropic Gel 2 rpm 30,000-50,000 cP 20 rpm 2,000-8,000 cP
<b>Elongation</b>	125%	400%	350%	65%
<b>Shore Hardness</b>	~D50	~A60	~A60	~D30
<b>Fixture Time</b>				
<b>ABS</b>	2-5 secs	2-7 secs	5-10 secs	3-6 secs
<b>NBR Rubber</b>	2-7 secs	2-7 secs	5-10 secs	2-5 secs
<b>Polycarbonate</b>	10-20 secs	10-20 secs	10-20 secs	10-20 secs
<b>Silicone*</b>	2-5 secs	2-5 secs	2-5 secs	2-5 secs
<b>Steel</b>	1-5 secs	1-5 secs	2-5 secs	2-5 secs
<b>Shear Strength</b>				
<b>ABS</b>	3-4 N/mm <sup>2</sup> (435-580 psi)	1-2 N/mm <sup>2</sup> (145-290 psi)	2-4 N/mm <sup>2</sup> (290-600 psi)	2-4 N/mm <sup>2</sup> (290-600 psi)
<b>Acrylic</b>	3-4 N/mm <sup>2</sup> (435-580 psi)	2-3 N/mm <sup>2</sup> (290-435 psi)	1-2 N/mm <sup>2</sup> (145-290 psi)	2-4 N/mm <sup>2</sup> (290-600 psi)
<b>Polycarbonate</b>	6-8 N/mm <sup>2</sup> (870-1200 psi)	6-8 N/mm <sup>2</sup> (870-1200 psi)	4-6 N/mm <sup>2</sup> (580-870 psi)	5-7 N/mm <sup>2</sup> (725-1000 psi)
<b>Steel</b>	6-8 N/mm <sup>2</sup> (870-1200 psi)	0.5-1.5 N/mm <sup>2</sup> (70-220 psi)	1-2 N/mm <sup>2</sup> (145-290 psi)	8-12 N/mm <sup>2</sup> (1200-1700 psi)

Non-Warranty: The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. In every case, we urge and recommend that purchasers, before using any product in full-scale production, make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. The products discussed herein are sold without any warranty, expressed or implied. No representative of ours has any authority to waive or change the foregoing provisions but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to their needs and to circumstances prevailing in their business. Please refer the technical data sheet for the most up to date information on each product. While every effort has been made to ensure the accuracy of the information provided, Chemical Concepts cannot be held responsible for typographical errors.

