



<b>Product description</b>	ENA7005M(A/B) is a two-component silicone that having high hardness property and high transparency for optical parts molding such as LED lens. The product cures rapidly with heat.
<b>Applications</b>	Coating, potting and encapsulating for optical devices and others
<b>Key performance properties</b>	Excellent hardness Excellent transparency Excellent wetting property Excellent anti-yellowing

**Typical Property Data**

<b>Benefits</b>	Excellent transparency High hardness Better wetting property
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<b>Typical properties</b>	<table border="1"> <thead> <tr> <th>Properties</th> <th>ENA7005M (A)</th> <th>ENA7005M (B)</th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>Before Cure</b></td> </tr> <tr> <td>Appearance</td> <td>Clear</td> <td>Clear</td> </tr> <tr> <td>Viscosity (25°C, mPa.s) <sup>1)</sup></td> <td>7,900</td> <td>4,000</td> </tr> <tr> <td>Mixed viscosity (25°C, mPa.s) <sup>1)</sup></td> <td colspan="2">5,300</td> </tr> <tr> <td>Refractive Index</td> <td colspan="2">1.41</td> </tr> <tr> <td>Mixing ratio</td> <td colspan="2">1:1</td> </tr> <tr> <td>Pot life (25°C, Hr)</td> <td colspan="2">Min. 24hr</td> </tr> <tr> <td colspan="3"><b>After Cure [ 170°C×10min(in press) + 150°C×2hr ]</b></td> </tr> <tr> <td>Specific gravity (25°C)</td> <td colspan="2">1.04</td> </tr> <tr> <td>Hardness (Shore A)</td> <td colspan="2">70</td> </tr> <tr> <td>Tensile (MPa)</td> <td colspan="2">10</td> </tr> <tr> <td>Elongation (%)</td> <td colspan="2">75</td> </tr> </tbody> </table>			Properties	ENA7005M (A)	ENA7005M (B)	<b>Before Cure</b>			Appearance	Clear	Clear	Viscosity (25°C, mPa.s) <sup>1)</sup>	7,900	4,000	Mixed viscosity (25°C, mPa.s) <sup>1)</sup>	5,300		Refractive Index	1.41		Mixing ratio	1:1		Pot life (25°C, Hr)	Min. 24hr		<b>After Cure [ 170°C×10min(in press) + 150°C×2hr ]</b>			Specific gravity (25°C)	1.04		Hardness (Shore A)	70		Tensile (MPa)	10		Elongation (%)	75	
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<b>Caution) Typical property data values should not be used as specifications.</b>																																										

<b>Composition</b>	Silicone polymer Silicone resin
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<b>How to use</b>	After mixing ENA7005M(A/B) as 1 : 1 ratio, respectively, dispense mixtures on the applied field.
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<b>Features</b>	Heat cured Addition cure type Low viscosity
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**Storage and packaging**

<b>Shelf life and storage</b>	Use it within 12 months from the day of manufacture. Store in a cool dry place out of direct sunlight. Keep out of the reach of the children.
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<b>Packaging</b>	ENA7005M(PTA) : 20 kg pail
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Remarks	
<b>Handling</b>	Wear eye protection and protective glove when handling this product.
<b>Precautions</b>	May cause a curing difficulty with amine, sulfur, organophosphate compound, and organometallic compound.
<b>Warranty information</b>	The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KCC's products are safe, effective, and fully satisfactory for the intended end use. KCC's sole warranty is that the product will meet the KCC sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted. KCC specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KCC provides you with a specific, duly signed endorsement of fitness for use, KCC disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.
<b>1'st issue</b>	2018-09-18
<b>Revision</b>	2018-09-18

※ Please refer to MSDS if you want to know more specific usage or caution.  
for further information, please see our website, [www.kccworld.co.kr](http://www.kccworld.co.kr)

