



# Certificate of Analysis

Hungary

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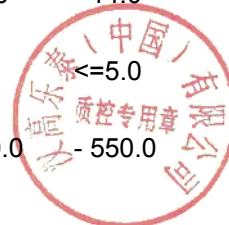
21 September 2020  
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YOUR ORDER:  
DATE OF ORDER:  
ORDER:  
DELIVERY NOTE:  
DELIVERY POSITION:  
CUSTOMER NO:

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19.08.2020  
3338469  
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**Material:** LOCTITE ECCOBOND FP4470 30CC  
known as HYSOL FP4470 (51g) -40CD  
**Item Number:** 468135  
**Batch no:** MT03899916  
**Manufacture Date:** 08 September 2020  
**Use By:** 05 June 2021  
**Manufacturer:** Henkel Loctite(China)Co.Ltd

Product Property	Analysis	Specification	Unit of Measure
<b>Storage Temperature</b> -40 °C	ok	-	-
<b>Filler Content by Ignition</b> 0.5-0.8g sample	74.0	72.0 - 77.0	%
<b>Glob Height</b> 0.2g on ceramic, 110 °C 1 hr	1.010	0.650 - 1.200	mm
<b>Glob Diameter,</b>	13.510	10.000 - 20.000	mm
<b>Tg (Deg C)</b> Cured 120 °C 30mins+ 165 °C 90mins	148.0	135.0 - 150.0	°C
<b>CTE 1</b> (40-80 °C)	18.0	13.0 - 22.0	ppm/°C
<b>CTE 2</b> (170-210 °C)	66.6	>=0.0	ppm/°C
<b>potassium</b>	1.0	<=5.0	ppm
<b>CL ANION CONTENT</b>	4.0	<=5.0	ppm
<b>Gel time</b> 121 °C Sunshine	13.5	8.0 - 14.0	min
<b>sodium</b> 121 °C 20hrs	1.0	<=5.0	ppm
<b>Viscosity Brookfield</b> RV 6# 10 rpm 25 °C	443.0	250.0 - 550.0	poise





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Specification

Method

Analysis

Specification

Dimens.

## Conclusion:

ACCEPTED

It is hereby certified that the material batch as listed in this certificate, was tested at the time of manufacture to the methods as mentioned above. The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In the light of the foregoing, we specifically disclaim all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of our products. We specifically disclaim any liability for consequential or incidental damages of any kind, including lost profits, except if otherwise explicitly agreed and except in relation to death or personal injury caused by Henkel's gross negligence or intention and any liability under any applicable mandatory product liability law. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a licence under any Henkel patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.

