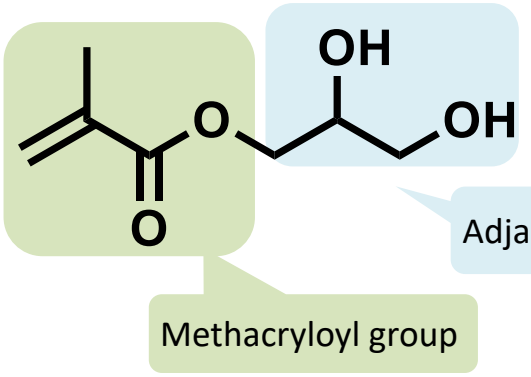
NOF CORPORATION

BLEMMER® GLM-S (Developed product)



2,3-Dihydroxypropyl methacrylate
CAS Registry Number:5919-74-4
Molecular Weight: 160.17

Features

- Higher than our existing grade in purity, which enables accurate polymer design
- Provides hydrophilicity to its polymer and improves adhesion on various substrates
- Chloride free and low metal content, which is suitable for electronic materials

General property

Items	GLM-S (Developed product)	GLM (Existing product)
Appearance	Colorless clear liquid	Slightly yellowish liquid
Purity(%)	≧98	≧85
Color	100≧ (APHA)	5≧ (Gardner)
Viscosity(mPa・s, 25℃)	140	
Tg of homopolymer(℃)	55	

Solubility

Solvent	Water	Ethanol	MEK	Ethyl acetate	Toluene	Hexane
Solubility	○	○	○	○	○	×

Conc. : 10wt%, Temperature : R.T. Criteria : ○ Soluble, △ Partially soluble, × insoluble

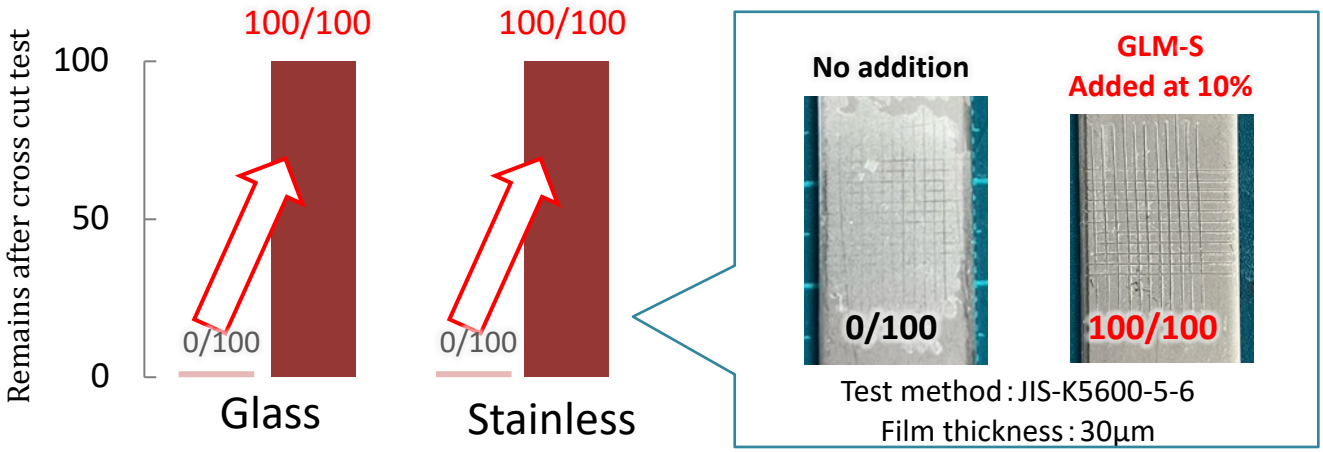
Chemical registration status

○ : Listed × : Not listed

Japan (CSCL)	China (IECSC)	Taiwan (TCSI)	South Korea (AREC)	United States (TSCA)	Europe (REACH)
○	○	○	○	○	○

Adhesive property

It becomes possible to give excellent adhesion by introducing BLEMMER® GLM-S into polymers

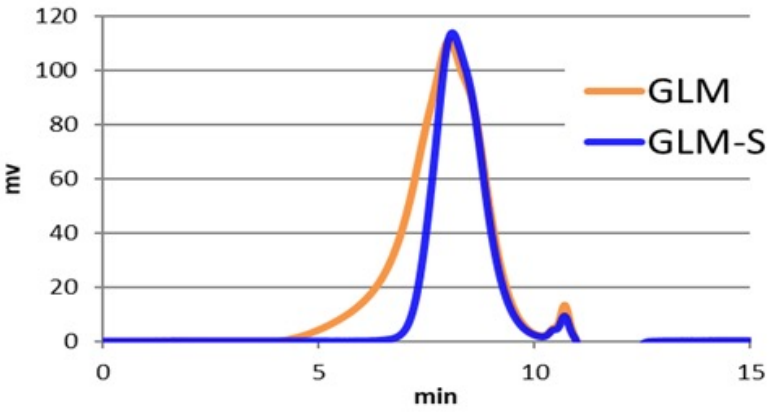


- Polymer composition(No addition) : EHMA/MMA= 60/40(wt%)
- Polymer composition(GLM-S added) : EHMA/MMA/GLM-S= 54/36/10(wt%)

Polymerization example

Gelation is suppressed by improving purity, which enables to design its polymer more precisely

GPC chromatogram



Polymer composition :
MMA/GLM-S= 80/20(wt%)
Solvent : Ethyl acetate
Monomer conc. : 40wt%
Initiator : V-65 at 1wt% for monomer weight

This catalogue is made by NOF CORPORATION based on our best knowledge and all of listed data are reference only. (not guaranteed) We recommend to refer our SDS before using our products and special attention should be paid in handing because all chemicals have unknown hazard.
Please contact us when you have any other question.

NOF CORPORATION
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≪Contact us≫ https://www.nof.co.jp/contents/monomer/english/

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