

2023/10

ADEKA REMYLOP FL-402

Product Features

- One-component heat curing adhesive
- Rapid curing type
- Semi-after cureless
- Epoxy type (Halogen-free available)
- NIR laser curable

Properties (uncured)

Viscosity / 25°C	2 ⁻¹ 20 ⁻¹	50 20	Pa · s Pa · s
Thixotropic value	2 ⁻¹ /20 ⁻¹	2.5	
Specific gravity		1.15	
Filler content		< 5	wt %
Nonvolatile content		> 99	%
Pot Life	25 °C	> 24	hrs
Shelf Life	≤ -20 °C	> 180	days

Cured Material Properties

Glass transition temperature	TMA DMA	65 84	°C °C
Hardness	ShoreD	—	
Storage modulus/ 25°C	DMA	2.8	GPa
Coefficient of linear expansion	α _l	51	ppm
Thermal conductivity	Transient hot wire method	0.2	W/m · K
Curing shrinkage	Densitometry method	3.7	%

DSC : SH DCS6220 25 – 250 °C (10 °C/min)

DMA : TA RSA-G2 -50 – 250 °C (10 °C/min),
curing condition ; 125 °C × 1 hr

TMA : SH TMA/SS6100 -55 – 150 °C (5 °C/min),
curing condition ; 125 °C × 1 hr

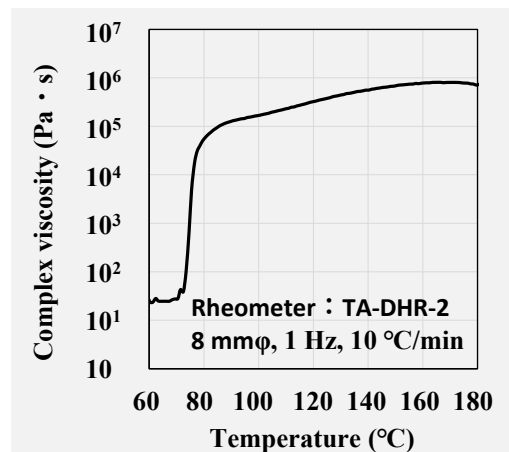
Thermal conductivity : C-Therm Tci, curing condition ; 125 °C × 1 hr

Recommended Curing Conditions

125 °C 1.0 hr

Lase curing condition (e.g.) : 940 nm, 4 mmφ, 3 W, 3 sec.

Curing behavior (Reference image)



Usage

【Storage】 Store frozen (below -20 °C)

【Breaking the seal】 To prevent moisture condensation, please bring the product to room temperature before opening the package.

Recommended defrosting time : Syringe ; 25 °C, 1 h or more.

Barrel ; 25 °C, 2 h or more.

【Curing】 When curing more than 1 g, please be careful of runaway reactions.

【Disposal】 Please refer to SDS for proper treatment.

【Others】 Please contact us at the following

株式会社 ADEKA

Group-3 Commodity Materials Department Chemicals Division

Tell 03-4455-2843

Mail adeka-adhesive.official@adeka.co.jp

7-2-35 Higashi-ogu, Arakawa-ku, Tokyo, 116-8553 www.adeka.co.jp

The information contained herein is based on our present state of knowledge and is intended to provide general notes on our products and their uses. Any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained in this publication shall be construed as a recommendation for any use that may infringe patent rights. Readers are cautioned to satisfy themselves as to the suitability of such goods for the purposes intended prior to use.

■本資料中の情報は、ご使用上の便宜を図るための指針を提供する事を目的としており、製品の性能を保証するものではありません。■本資料でご紹介しました用途へのご使用については、工場所有権にご注意願います。■本資料に記載の実験データ等は、記載された条件下で得られた測定値の代表例です。■本製品の取り扱いに際しては、化学物質の事故防止のために、製品安全データシート (MSDS) をご確認ください。尚、本資料記載以外の用途にご検討頂く場合は、本製品を安全に、より有効に御使用頂くために、予め当社担当までご連絡願います。