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Technical Data Sheet

ULTRAWIDE® FP771

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Photo-curing Adhesive for Plastics and Metals Bonding

➤ Product Description

ULTRAWIDE® FP771 is designed for the bonding of PC, ABS, PC electroplating for materials as aluminum, iron and stainless steel. FP771 is particularly suited for applications where high transparency, high speed curing and clear for encapsulating of electronic devices.

➤ Characteristics

ULTRAWIDE® FP771 is suited for bonding to plastics. FP771 exhibits flexibility and fracture energy.

➤ Physical Properties

Item	Specification	Test Method
Composition	Acrylic resin	Be judged by the composition
Chemical Class	Liquid @ 25°C	Eye inspection
Appearance	Colorless Liquid	Eye inspection
Viscosity, cps	200~400 25°C (S21, 50 rpm)	Brookfield RVDV-I+
Refractive Index n_D	1.4753 @25°C	ATAGO Abbe Refractometer NAR-1T
Certificate	-----	SGS Certificate
Color Gardner Scale	0~1	
Solvent Content, %	0	

➤ Cure Schedule

Light hardness condition

With the ultraviolet ray light source of the PHILIPS HPA400 S wave-length 365 nm.

Projecting light upon the energy accumulates to go to 1000~2000 mj/cm² of hardening under condition.

UV accumulates energy form: Virtuuous make Baier-UV/UV-RADCOL advanced.

Temporary curing time sec	5~10
Recommended curing time sec	10~15

➤ Mechanical Properties

Item	Specification	Test Method
Durometer Hardness	D75±2	Durometer D type
Shore D	26°C, RH59%	Refer to ASTM D2240-03

➤ Storage and Shelf Life

ULTRAWIDE® FP771 should be kept without any possibility of light exposure. Uncured material must be protected from exposure to air or oxygen to maintain viscosity and stability during application. FP771 has an eight month minimum shelf life when stored in dark place below 25°C in original, unopened containers.

➤ Transport information

Taiwan : Delivery and freight

Overseas : Airlift and marine transit

➤ Caution

Some findings indicate a lack of potential for carcinogenicity with the compositions of FP771 by long term recurrent application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from skin with soap and water thoroughly. FP771 is of moderate acute toxicity by swallowing. If swallowed, induce vomiting at once and call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For specific information on this product, consult the Material Safety Data Sheet.

The data contained in this bulletin is furnished for information only and is believed to be reliable. We cannot assume responsibility for 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 product or method mentioned herein and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use thereof. We recommend that each prospective user test the proposed application before repetitive use, using the data as a guide.