

AgiSyn™ 6050TF

Characterization	Amine modified epoxy acrylate for energy curable systems
Form supplied	Liquid
Applications	Screen-printing inks and varnish Wood coatings
Principal properties	- Fast cure speed - High gloss - High hardness - High scratch resistance
Uses	AgiSyn™ 6050TF is the toluene-free grade of AgiSyn™ 6050, which is an amine modified epoxy acrylate with high curing speed for inks and coatings cured by ultraviolet light (UV) or electron beam (EB). It has a broad compatibility with other energy curing resins and diluents.

Specification Property	Value	Unit of measurement	Method
Color	≤ 1	Gardner	PM-ZB-QA-106
Viscosity at 25°C	68 - 85	Pa·s	PM-ZB-QA-107
Acid value	≤ 1	mg KOH/g	PM-ZB-QA-103
Toluene content	≤ 5	ppm	PM-ZB-QA-126

Other data* Property	Value	Unit of measurement	Method
Odour	Typical		
Theoretical functionality	2	C=C	
Theoretical mol mass	500	g/mol	

*These values provide general information and are not part of the product specification.

Storage	The resin should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures 5 - 40°C. Exposure to direct sunlight should be avoided.
Storage time	Covestro represents that the product will meet the specifications or values set forth in section "specifications or characteristic data" above, whatever is applicable, until the expiry date mentioned on the Certificate of Analysis



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provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately. The expiry date is typically 365 days after last quality control unless specified otherwise on the Certificate of Analysis. If the expiry date is met it does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Covestro recommends to test such a product if it still meets the specifications or the set values. Covestro does not make any representation regarding the product after the expiry date is met and Covestro shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the expiry date is met.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you utilize our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

This product is not designated for the manufacture of a medical device or of intermediate products for medical devices¹⁾. [This product is also not designated for other specifically regulated applications (e.g. including cosmetics, plant protection, fertilisers, plant strengtheners, food processing, food contact and others). If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices or for other specifically regulated applications Covestro must be contacted in advance to provide its agreement to sell such product for such purpose.] Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices, for Food Contact products or cosmetic applications must be made solely by the purchaser of the product without relying upon any representations by Covestro.

1) Please see the "Guidance on Use of Covestro Products in a Medical Application" document.

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