

EBECRYL® 15

Low Viscosity, Bio-Based Diluting Acrylate With 67% Bio Carbon Content



In the ongoing quest for more sustainable and high-performance solutions in the polymer industry, a new player is emerging: the low viscosity, bio-based diluting acrylate, offering a myriad of benefits while preserving the environment.

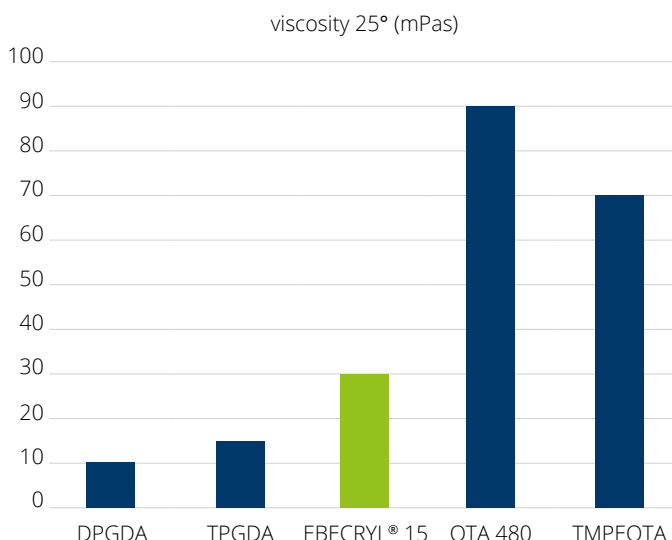


Key Features

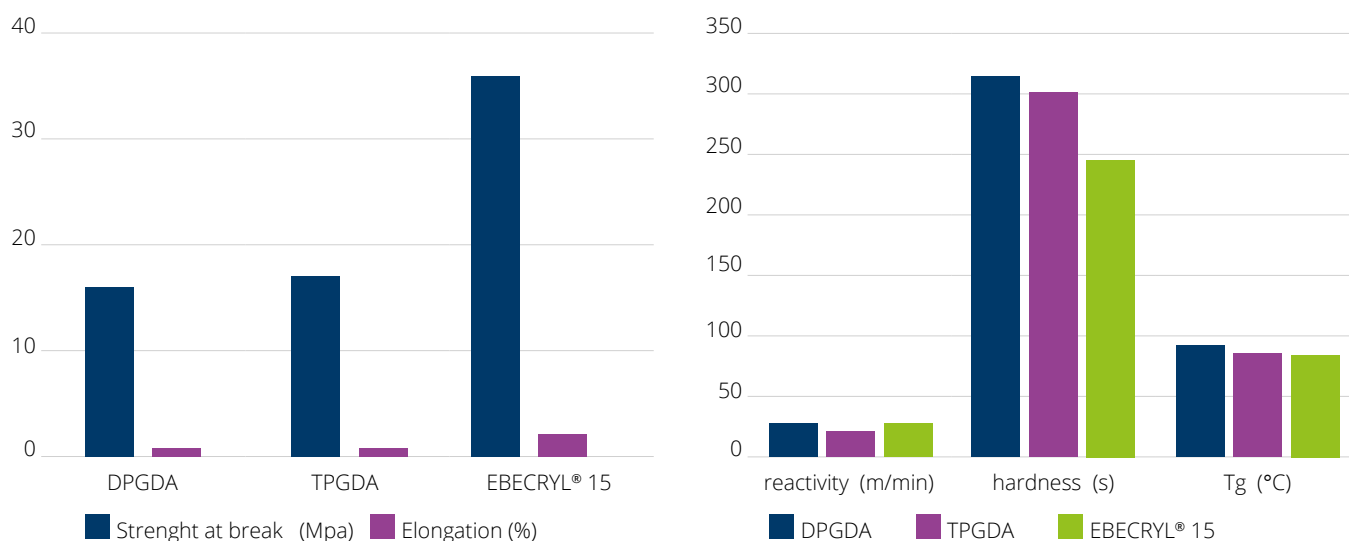
- **High Renewable Carbon Content:** With a composition containing 67% carbon derived from biological sources, this acrylate represents a significant step towards a circular economy and reducing our reliance on fossil resources.
- **Low Viscosity:** This is a low viscosity polymeric diluent, making it unique among bio-based solutions in the market. This characteristic allows for easy incorporation into various formulations without compromising final performance. Its diluting power is comparable with a well know diluent such as TPGDA.
- **Flexibility and toughness:** As a diluent, this acrylate decreases the brittleness of your UV/EB coating compared to conventional monomers like DPGDA or TPGDA.
- **High Reactivity:** Its high reactivity makes it an ideal choice to boost the biobased content of a formulation without losing in curing efficiency, thereby helping to reduce production times and associated costs.
- **Low Yellowing after UV Curing:** The advanced formulation of this material minimizes the yellowing often associated with UV curing processes, preserving the aesthetic appearance of the final products.
- **Excellent exterior durability:** Formulated products containing EBECRYL® 15 show no film defects or gloss loss after 4000 hours Xenon test, matching the performance of HDDA, best-in class monomer for exterior.

Viscosity - EBECRYL® 15

EBECRYL® 15 is a clear liquid with low color (100 apha)
 Average molecular weight : 360 g/mole
 Functionality : 2
 Density 23°C : 1.05 g/cm³
 Log POW : 2.23 (TPGDA : 1.84)
 BB Carbon : 67%



Properties : EBECRYL® 6000/EBECRYL® 15 (65/35) with 5p CPK photoinitiator



This versatile diluting acrylate finds applications in various fields, including: environmentally friendly coatings and paints for industrial wood and printing inks, adhesives with low environmental impact, renewable and durable composites.

In summary, the low viscosity, bio-based diluting acrylate represents a significant advancement in the field of sustainable and high-performance materials. With its unique characteristics, EBECRYL® 15 is a “booster-of-choice” for the better carbon content of 100% UV/EB formulations while meeting the sustainability and performance requirements of modern industries. Therefore, its adoption can contribute significantly to the transition towards a greener and more efficient economy.

For additional details on this product and starting-point formulations, please reach out to our technical experts:

- **Pablo Marin** • pablo.marin@allnex.com or **Luc De Waele** • luc.dewaele@allnex.com

To browse through our portfolio on our product finder, please scan the QR code.



Disclaimer: allnex Group companies ('allnex') exclude all liability with respect to the use made by anyone of the information contained herein. The information contained herein represents allnex's best knowledge but does not constitute any express or implied guarantee or warranty as to the accuracy, the completeness or relevance of the data set out herein. Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of allnex or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is suitable for any specific use, performance or result. Any unauthorized use of the product or information may infringe the intellectual property rights of allnex, including its patent rights. The user should perform his/her own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights or misappropriation of trade secrets of allnex and/or third parties remain the sole responsibility of the user.

Notice: Trademarks indicated with ®, TM or * as well as the allnex name and logo are registered, unregistered or pending trademarks of Allnex Netherlands B.V. or its directly or indirectly affiliated allnex Group companies. Any use of these trademarks without prior authorization is not permitted.

© 2025 allnex Group. All Rights Reserved

Email: business@allnex.com - Worldwide Contact Info: www.allnex.com

EBECRYL® 367

Stick With Confidence, Even On Tough Surfaces
For Overprint Varnishes | Flexo & Inkjet Inks Applications



Adhesion promotor

Plastic film continues to drive innovation in graphics, particularly in flexible packaging and labeling. UV-curable flexo inks offer superior productivity and enhanced resistance compared to traditional solvent- or water-based thermal cure systems.

EBECRYL® 367 is a high-performance adhesion promotor designed specifically for corona-treated substrates. It excels on corona-treated polypropylene, where UV-curable flexo inks often face adhesion challenges. With a molecular weight over 1000 Dalton, EBECRYL® 367 maintains a low viscosity, reducing the need for additional low molecular weight monomers to achieve target formulation properties. This makes it an ideal choice for formulators seeking performance, efficiency, and compliance in one solution.



Value Proposition

- Outstanding adhesion on corona-treated substrates, especially on polypropylene
- Optimized for white UV flexo inks, ideal for shrink sleeve applications
- Versatile performance in clear primer and overprint varnish (OPV) formulations
- Low color and low odor for cleaner, more pleasant processing
- German & Swiss ink ordinance compliant for safe use in sensitive packaging applications

INNOVATIVE CHEMISTRY
FOR ALL NEX>T GENERATIONS

allnex

Characteristics	Typical value
Appearance	Clear liquid
Viscosity (@25°C, mPa.s)	~2500
Density (@20°C, g/ml)	1.1
Molecular weight (theoretical)	~2100 D

Note: **EBECRYL® 367** is **hygroscopic** in nature and should be protected from humidity.

White flexo for adhesion on Polypropylene

Formulation:

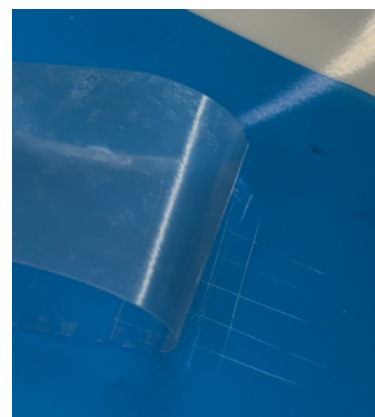
Product	Reference	Ink 1	Ink 2
EBECRYL® 45	36.0	26.0	16.0
EBECRYL® 85	15.0	15.0	15.0
EBECRYL® 895	5.0	5.0	5.0
EBECRYL® 331	0.5	0.5	0.5
TPO	3.5	3.5	3.5
EBECRYL® 367	-	10.0	20.0
TiO ₂	40.0	40.0	40.0
	100.0	100.0	100.0

BOPP 1 to 4: commercial BOPP (Biaxially-Oriented Polypropylene) used in packaging

Adhesion results:

Corona-treated film // film thickness 2.5 – 3 g/m² // UV curing 40 mJ/cm²

Product	Reference	Ink 1	Ink 2
BOPP 1	No adhesion	50% adhesion	Adhesion ok
BOPP 2	No adhesion	50% adhesion	Adhesion ok
BOPP 3	No adhesion	50% adhesion	Adhesion ok
BOPP 4	No adhesion	Adhesion ok	Adhesion ok



For further details on this product and starting-point formulations, please reach out to our technical experts.

To browse through our portfolio on our product finder, please scan the QR code.

- Luc De Waele • luc.dewaele@allnex.com
- Daniele Pratelli • danielle.pratelli@allnex.com



EBECRYL® 367 is available to customers globally.

Disclaimer: allnex Group companies ('allnex') exclude all liability with respect to the use made by anyone of the information contained herein. The information contained herein represents allnex's best knowledge but does not constitute any express or implied guarantee or warranty as to the accuracy, the completeness or relevance of the data set out herein. Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of allnex or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is suitable for any specific use, performance or result. Any unauthorized use of the product or information may infringe the intellectual property rights of allnex, including its patent rights. The user should perform his/her own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights or misappropriation of trade secrets of allnex and/or third parties remain the sole responsibility of the user.

Notice: Trademarks indicated with ®, TM or * as well as the allnex name and logo are registered, unregistered or pending trademarks of Allnex Netherlands B.V. or its directly or indirectly affiliated allnex Group companies. Any use of these trademarks without prior authorization is not permitted.

© 2025 allnex Group. All Rights Reserved

Email: business@allnex.com - Worldwide Contact Info: www.allnex.com