EBECRYL® 15

Technical Datasheet

BIOBASED ALIPHATIC DIACRYLATE

INTRODUCTION

EBECRYL® 15 is a diacrylate with low viscosity and high bio carbon content.

PERFORMANCE HIGHLIGHTS

EBECRYL® 15 increases flexibility and reduces the brittleness of your UV/EB cured films compared to conventional monomers like DPGDA or TPGDA without losing in reactivity.
EBECRYL® 15 is characterized by:

- Good diluting power
- Good reactivity
- High bio carbon content (67%)

The actual properties of UV/EB cured products also depend on the selection of the other formulation components, such as reactive diluent(s), additives and photo initiators.

SUGGESTED APPLICATIONS

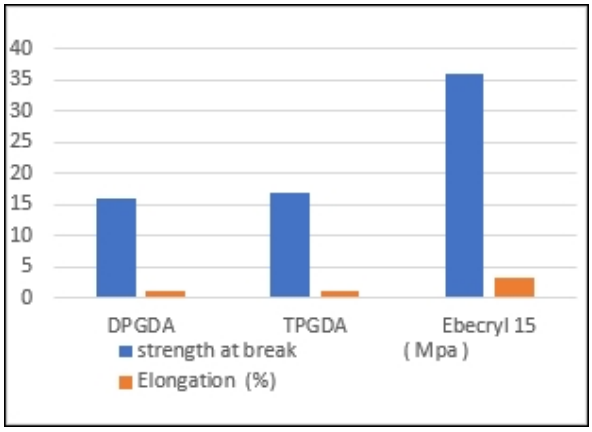
EBECRYL® 15 is suitable as diluting acrylate for use in coatings and inks as a replacement of fossil based acrylates and thus providing a higher bio based content. The new material is especially recommended as a bio based booster in the UV/EB curable formulations.
EBECRYL® 15 based formulations may be applied by flexography, screen, gravure, direct or reverse roll in a wide range of applications like industrial coatings or printing inks.

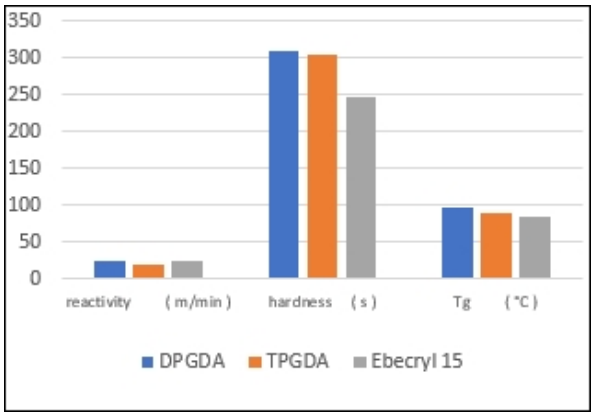
TYPICAL VALUES

Viscosity at 25°C, mPa.s	20 - 40
Colour, Apha	< 200
Density at 20 °C, g/cm^3	1.1
Functionality, theoretical	2
Percentage solids, %	100
Acid value, mg KOH/g	< 5

STORAGE AND HANDLING

Care should be taken not to expose radiation curable products to temperatures exceeding 40°C for prolonged periods or to direct sunlight. This might cause uncontrollable polymerization of the product with generation of heat.
Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Do not store this material under an oxygen free atmosphere. Use dry air to displace material removed from the container. This material should not be stored for more than 2 years.





These test were performed in a formulation based on EBECRYL® 6000/EBECRYL® 15 (65/35) and 5p CPK photoinitiator.

PRECAUTIONS

The following is a summary of the precautions to be taken when handling this product. Please refer to the Safety Data Sheet for further details.
The toxicological properties of this material have not been fully determined. Products of this type can be expected to be eye and skin irritant and have the potential to cause sensitization or other allergic responses. Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapours. Consult the relevant Safety Data Sheet for appropriate handling procedures and protective equipment prior to using this or any other material referred to in this bulletin.
See Safety Data Sheet for emergency and first aid procedures.

STATUTORY LABELING

Please refer to Safety Data Sheet.

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