

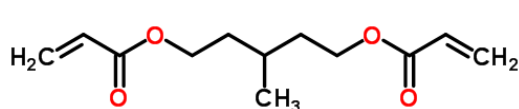
Product Data Sheet

General Information

PHOTOMER® 4071 is a low viscosity and low odour diluent for UV and EB radiation curable varnishes and pigmented coatings like inks as well as for UV inkjet applications.

The product exhibits a moderate shrinkage profile and is known for its outstanding solvency characteristics with high viscosity urethane and epoxy oligomers.

Chemical Data



Chemical Name	: 3-Methyl-1,5-pentanediol diacrylate
Molecular weight	: 226 g/mol
CAS No.	: 64194-22-5
Einecs No.	: 264-727-7

Specification

Appearance	Visual	Limpid liquid
Viscosity @25°C	Brookfield, ISO 2555	5 – 12 mPa.s
Acid Value	ISO 660	≤ 0.5 mg KOH/g
Colour (APHA)	ISO 6271	≤ 120
Moisture content	Karl Fischer, ISO 4317	≤ 0.5 %

Additional Typical Properties

Surface Tension:	32.6 dynes/cm
Density @25°C (ISO 6883):	1.023 g/cm ³
Refractive Index @25°C:	1.4582

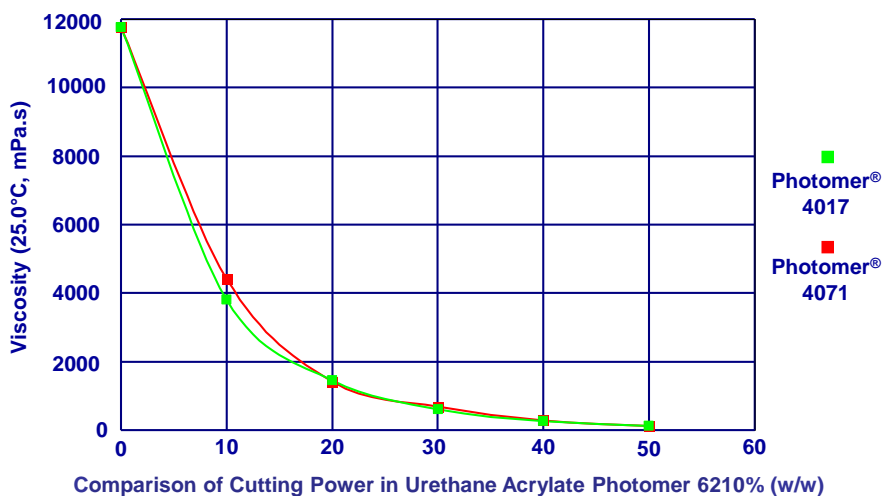
Application

Photomer® 4071 exhibits excellent cutting power and solvency characteristics with high viscosity urethane and epoxy oligomers.

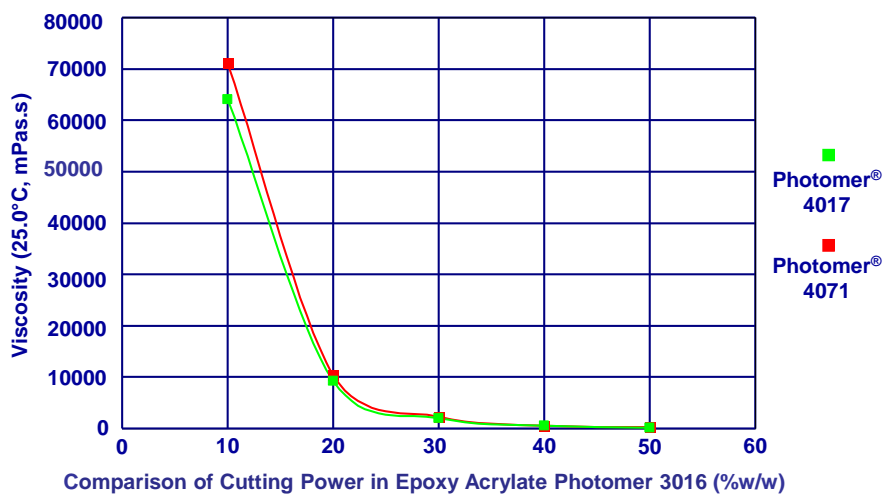
Viscosity Reduction Curves:

Photomer® 4071 viscosity reducing and solvency characteristics are comparable to HDDA (Photomer® 4017) as shown in the following graphs.

Cutting Power in Urethane Acrylate Photomer® 6210



Cutting Power in Epoxy Acrylate Photomer® 3016



Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight. Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 12 months.

PHOTOMER® 4071 should be handled in accordance with good industrial practice. Further information is provided in the material safety data sheet which is available on request.

Regulatory Status

TSCA (USA), EINECS (Europe), NDSL (Canada), ENCS (Japan), Taiwan

Packaging

PHOTOMER® 4071 is available in 200 kg drums.

Disclaimer

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