

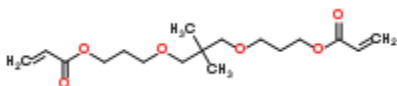
Product Data Sheet

General Information

PHOTOMER[®] 4127 is a low viscosity monomer used to dilute oligomers. It exhibits a low surface tension and very good wetting properties. It is particularly suitable for use in UV/EB curable varnishes for industrial uses, graphic arts, as well as screen printing, flexo and other inks on metal, paper/paperboard, plastic and on wood.

PHOTOMER[®] 4127 gives films with a very low shrinkage.

Chemical Data



Chemical Name	: Propoxylated neopentylglycol diacrylate
Molecular weight	: 328 g/mol
CAS No.	: 84170-74-1
EINECS No.	: 617-546-6

Specification

Appearance	Visual	Clean and clear liquid
Viscosity @ 25 °C	Brookfield, ISO 2555	10 – 20 mPa.s
Colour (APHA)	ISO 6271	≤ 80
Acid Value	ISO 660	≤ 0.5 mg KOH/g
Moisture content	Karl Fischer, ISO 4317	≤ 0.2 %
Inhibitor content	Spectrophotometer	≤ 500 ppm
Solvent content	GC Analysis	≤ 2000 ppm
Specific Gravity @ 25°C		1.000 - 1.100 g/cm³
Refractive index	ISO 489	1.4450 - 1.4550

Application

Radiation cured films of PHOTOMER[®] 4127 on various substrates. Excellent properties can be achieved, especially in applications where optimum flexibility is required. PHOTOMER[®] 4127 exhibits good pigment wetting for white and organic pigments.

Formulated product properties will depend on the actual reactive monomers, oligomers and additives utilized.

Features & Benefits

PHOTOMER® 4127 has a surface tension of approximately 31.9 dyne/cm which makes it very suitable to improve substrate wetting.

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® 4127 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), EU (Europe), IECSC (China), DSL (Canada), PICCS (Philippines), AICS (Australia), NZIoC (new Zealand), ECL (Korea), ENCS (Japan) and Taiwain

Packaging

PHOTOMER® 4127 is available in 200 kg steel drums and IBC's.

Disclaimer

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