

TECHNICAL DATA SHEET

LM5601

Dipentaerythritol Pentaacrylate

DESCRIPTION

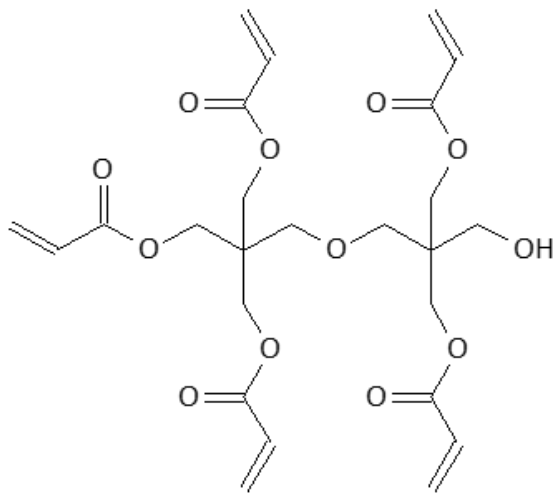
LM5601 is a pentafunctional acrylic monomer for use in UV/LED and EB curing coatings applications



Improved cure response under LED



Reduced risk of migration



LIQUID PROPERTIES

Functionality	5
Appearance	Clear liquid
Viscosity at 25°C (mPa.s or cPs)	13343
Density at 25°C (g/mL)	1.3576
Refractive Index at 25°C	1.4732
Surface Tension at 20°C (mN/m)	39.9
Molecular Weight (g/mol)	525
Color (Pt/Co or APHA)	<150

CURED PROPERTIES

Tg (°C), by DSC	90
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PRODUCT PERFORMANCE

Hardness
 Chemical Resistance
 Scratch Resistance
 Weatherability
 Abrasion Resistance
 Moisture Resistance
 Corrosion Resistance

SPECIAL FEATURE

High functionality

SUGGESTED APPLICATIONS

Flexographic inks
 Inkjet inks
 Offset inks
 Overprint varnishes

SHELF LIFE

Store in the original, closed container in a dry, cool (<45°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is 6 months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided. Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers

STORAGE

See SDS for Storage Considerations

HEALTH AND SAFETY

See SDS for Health & Safety Considerations

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