

**L-61052 (DPPA) Dipentaerythritol pentaacrylate**

CAS#: 60506-81-2

**Description**

**L-61052** Multifunctional photocurable monomer. It has low odor and is extremely low irritation to the skin; Fast curing speed and high reactivity can effectively improve the curing speed of uv system. The high cross-linking density provides the paint film with excellent hardness, wear resistance, chemical resistance, scratch resistance and other characteristics.

**Technical data**

|                                |                            |
|--------------------------------|----------------------------|
| Appearance                     | Transparent liquid         |
| Color number (APHA)            | ≤50                        |
| Viscosity (25°C, CPS)          | 5600-8000                  |
| Water%                         | ≤0.1                       |
| Polymerization inhibitor (ppm) | 300-500                    |
| Refractive index               | 1.485                      |
| Tg(°C)                         | 68                         |
| Acid value (mgKOH)             | ≤0.5                       |
| Functional group               | Multiple functional groups |

**Performance**

High curing rate, high hardness, high scratch resistance; high cross-linking density, good chemical resistance, enhanced wear resistance and boiling resistance of the coating.

**Applications**

It is widely used in the photocuring polymerization reaction of various unsaturated systems such as UV coatings, LED-3D printing inks, UV screen printing inks, UV adhesives, UV glue, UV inkjet, LED curing inks, etc.

**Storage**

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature( 25°C) and under ventilation. 25KG/200KG/barrel

**Tips: L-61052 can achieve excellent wear and scratch resistance even with a thin coating of 0.1um.**

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.