



## Technical Data Sheet

**Product Name:** Dipentaerythritol

**CAS:** 126-58-9

**Molecular Formula:**  $(\text{CH}_2\text{OH})_3\text{CCH}_2\text{OCH}_2\text{CCH}_2\text{OH}$

**Molecular Weight:** 254.28

**Product specifications:** regular grade and ultra-fine grade

**Uses:** As an important fine chemical intermediate, dipentaerythritol is regarded as a high-end product in the pentaerythritol industry. It is mainly used in the production of environmentally friendly ultraviolet curing coatings, high-grade alkyd resins, high-grade aviation lubricants, plasticizers, polyethers, polyesters, polyurethanes, and photosensitive resin films. In terms of photosensitive coatings, double season acrylic can be used as stainless steel color plates, high-grade granite spraying masks, with strong adhesion, friction resistance, and aging resistance. Ultrafine grade dipentaerythritol is mainly used in the production of fire-retardant coatings and PVC stabilizers.

**Packing:** 20 kg/ bag, 400kg/ bag, or customer-specified packaging.

### Specification:

ITEM	STANDARD		
	Level 95	Level 90	Level 85
Appearance	White crystalline powder		
Dipentaerythritol, w/%	≥95.0	≥90.0	≥85.0
Pentaerythritol monoquaternium, w/%	Negotiation between supply and demand		
Tripentaerythritol, w/%	Negotiation between supply and demand		
Hydroxyl group, w/%	39.5~40.5	37.0~40.5	37.0~40.5
Drying reduction, w/%	≤0.5	≤0.8	≤1.0
Residue on ignition, w/%	≤0.05	≤0.10	≤0.10
Phthalic acid resin coloring/(Fe, Co, Cu standard colorimetric solution), No	≤1.0	≤2.0	≤2.5
Sulfuric acid test color, Hazen units (platinum-cobalt)	≤100	≤200	≤300