



Dilauroyl Peroxide (DLP)

DLP is a widely used initiator for the suspension and mass polymerization of vinyl chloride between 60 °C and 80 °C. In many cases DLP is combined with a more active initiator, such as a peroxydicarbonate to increase reactor efficiency. DLP is also used as an initiator for the polymerization of methylmethacrylate at 60-90 °C and sometimes as a replacement for AIBN. Organic Peroxides are thermally unstable substances, which may undergo self-accelerating decomposition.



| Property | Value |
|-----------------------|---------------------------------|
| Appearance | White flakes |
| Purity | ≥ 98% |
| Molecular weight | 398.6 |
| Active oxygen content | 3.97% min |
| Bulk density | 471-497 kg/m ³ |
| Acid as Lauric acid | 0.4% max |
| Melting point range | 53-55 °C |
| Half-life | 10 hr at 61 °C 1 hr at 79 °C |





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Packing and storage

DLP is packed in non-returnable 20 Kg PE inner bag / outer carton. Due to the relatively unstable nature of organic peroxides a loss of quality can be detected over a period of time. To minimize the loss of quality, it is recommended storage temperature below 20 °C. Shelf life of DLP is around 6 months.

Safety and handling

Keep containers tightly closed. Store and handle DLP in a dry well-ventilated place away from source of heat or direct sunlight. Never weigh out in the storage room. Avoid contact with reducing agents, acids, alkalis and heavy metal compounds.

Rayeneh Group is fully prepared to supply the DLP continuously and just in time delivery at a competitive price.



Who we are

Rayeneh Group is an international supplier of chemicals, catalysts, and equipment in the Oil, Gas, Petrochemical, and Mine Industries. Since its establishment in 1999, Rayeneh has continuously strived to reach new markets while offering world class services. As of today, Rayeneh Group operate international offices in our territory with unique access to sources of high-quality chemicals, and is one of major players in the chemicals market. As dictated by our policy, "Serving Our Clients Beyond Their requirements" has always been at the forefront of our operations.

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Rayeneh Group
Supplier of Chemicals & Equipment
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