

# Technical Data Sheet (TDS) of Dodecanedioic Acid

## Correct technical name of the goods:

English: Dodecanedioic Acid      Trade name: Dodecanedioic Acid

## Physical properties:

Melting Point: 125-135°C

Molecular Formula:  $C_{12}H_{22}O_4$

Molecular Weight: 230

Appearance: White powder

## Chemical properties:

Keeping the product from the following materials: alkaline material in liquid and organic solvent. After decomposing or polymerizing, it has no reaction at normal temperature and pressure. The product is difficult to burn, if happening, you'd better use CO<sub>2</sub> fire extinguishers.

Applications: Mainly used in engineering plastics, poly-carboned nylon and its products. It is main content of nylon 1212, nylon 612, and nylon 1012, intermediate for aromatic, top-grade lubricant, lubricant antiseptic and painting material for luxurious sedan.

## Specifications:

Refined: Dodecanedioic Acid: 99%min, Total acid: 99.5%min, Moisture: 0.4%max