



YFK-DLTPD

Chemical Structure

Chemical Name	Dodecyl 3-(3-dodecyloxy-3-oxopropylsulfanyl)propanoate	
Chemical Formula	C ₃₀ H ₅₈ O ₄ S	

Specifications

Appearance	White granules or powder
Melting Range (°C)	39.5 ~ 41.5
Acidity Value (mg KOH/g)	<= 0.05
Platinum-Cobalt Color	<= 60.0
Ash Content %	<= 0.01
Iron Content %	3.0x10 ⁻⁴
Volatile Loss %	<= 0.05

Usage Notes

Properties	It is a high-performance thioester-based secondary antioxidant, characterized by low volatility, minimal loss during thermal processing, and non-staining properties. It is non-discoloring.
Applications	It is widely used in polyethylene (PE), polypropylene (PP), ABS resin, and other polymers.
Recommended Dosage	The typical dosage range is 0.05% ~ 1.0%.