



DOVERPHOS S-682

Distearyl Pentaerythritol Diphosphite

Doverphos S-682 is distearyl pentaerythritol diphosphate containing less than 1% triisopropanolamine. It is a solid phosphite that imparts outstanding color stability to polyolefins, polystyrene, rubber, ABS, PVC, polyester, and polycarbonates. It is especially synergistic with hindered phenol antioxidants. **Doverphos S-682** complies with FDA regulation §178.2010-Antioxidants and stabilizers for polymers and §175-105 for adhesives. Typical use levels range from 0.10 to 0.25%.

Due to the low melting point, this product is prone to fusing together. This condition is intensified when the product is stored under pressure and/or in warm temperatures.

Distearyl Pentaerythritol Diphosphite

TYPICAL PROPERTIES

Property	Typical Result
Appearance	White Flake
Molecular Weight	732
Melting Point, °C	51 ± 6
Phosphorus, %	7.8 – 8.2
Specific Gravity, 60°C	0.930 ± 0.003
Acid Number, mgKOH/gm	0.1± 0.1
Refractive Index @ 60°C	1.4572 ± 0.0006

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