

Technical Data Sheet

Eastman™ Poly TDP-2000

Product Description

Eastman™ Poly TDP-2000 antioxidant is a thiodipropionate polyester, typically used as a secondary antioxidant along with phenolic primary antioxidants in plastics. Because it is polymeric in structure, Eastman™ Poly TDP-2000 shows excellent stability in high-temperature applications. Eastman™ Poly TDP-2000 functions well in the presence of UV light stabilizers and other additives. It is very effective in polyolefins, especially highly loaded talc-filled polypropylene.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	2000
Form	Paste-like solid
Color, Gardner	3
Acid Number (mg KOH/g)	2.5
Viscosity ^a @ 85°C	2000 cP
Flash Point	249 °C
Hydroxyl Number	30
Specific Gravity @ 90°C	1.09
TGA air atmosphere, amount retained @ 346°C	90 %
Melt Point, DSC First Heat	33.7 °C
Color Pt-Co	3 max. max.
Melting Point	133 °C

^aApproximate

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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