**STRUKTOL® TR 041**
**PROCESSING ADDITIVE, COMPOUNDING AID**

**COMPOSITION**
Oleochemical derivative with no metal ions.

**PROPERTIES | TYPICAL VALUES**
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Appearance | light tan pastille or beads
Acid Value (max.) | 20
Dropping Point (°C) | 78 - 92
Specific Gravity | 0.98
Physiological Behavior | refer to safety data sheet
Storage Stability | at least 2 years under normal storage conditions
Packaging | 55 lb. PE bags

**RECOMMENDATIONS FOR APPLICATION**
STRUKTOL® TR 041 is a fatty acid based additive designed to maximize the wetting to both a polar filler and a non-polar polymer. By wetting both surfaces, this material allows a quicker incorporation of additives into the polymer matrix; decreasing mixing times, melt temperatures and viscosity.

The product contains no metal soaps and may be used where these are unacceptable. The acid value is quite low, so this compound may also be used where stearic acid is a problem. Specific viscosity improvements have been seen with high impact polystyrene (HIPS).

**ADDITION LEVELS**
Depending on polymer and other additives, from 0.1% in PE to 1.0% or higher in HIPS.

**FDA STATUS**
STRUKTOL® TR 041 is sanctioned for use by the Food and Drug Administration (FDA) in a number of applications, listed in the following sections of Title 21 of the Code of Federal Regulations:

- 175.105 Adhesives
- 175.300 Resinous and polymeric coatings
- 176.170 Components of paper and paperboard in contact with aqueous and fatty foods
- 176.210 Defoaming agents used in the manufacture of paper and paperboard
- 177.1200 Cellophane
- 177.1580 Polycarbonate resins
- 177.2420 Polyester resins, cross-linked
- 178.2010 Antioxidants and/or stabilizers for polymers
- 178.3860 Release agents

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