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TECHNICAL DATA

STRUKTOL[®] TR 071

**PROCESSING ADDITIVE
COMPOUNDING AID**

COMPOSITION

A fatty acid metal salt and a unique amide structure.

PROPERTIES

TYPICAL VALUES

Appearance	Light tan beads or pastilles
Dropping Point (°C)	110 - 120
Physiological Behavior	Refer to safety data sheet
Storage Stability	At least 2 years under normal storage conditions
Packaging	25 kg. PE bags

RECOMMENDATIONS FOR APPLICATION

STRUKTOL[®] TR 071 contains a combination of a fatty acid metal salt and a unique amide structure. In this regard, it is similar to STRUKTOL[®] TR 016, except the calcium ion in STRUKTOL[®] TR 016 is replaced by a zinc ion in STRUKTOL[®] TR 071. The amide has hydrogen-bonding capability, which enables it to act as a physical "coupling agent" between the polymer and a range of filler systems.

It can wet both polar and non-polar fillers, making it a valuable blending aid for high-filled systems, as well as an excellent internal lubricant at process temperatures. STRUKTOL[®] TR 071 has shown particular efficiency with flame retarded, high impact polystyrene compounds and selected brominated compounds for flame retarding applications.

ADDITION LEVELS

Because of the high solubility in styrene polymers, 1 - 2% is recommended.

FDA STATUS

STRUKTOL[®] TR 071 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	177.2600	Rubber articles intended for repeated use
175.300	Resinous and polymeric coatings	178.2010	Antioxidants and/or stabilizers for polymers
176.170	Components of paper and paperboard in contact with aqueous and fatty foods	178.3910	Surface Lubricants used in the manufacture of metallic articles
176.180	Components of paper and paperboard in contact with dry food	182.8994	Zinc Stearate
176.200	Defoaming agents used in coatings		