



Struktol Company of America

201 E. Steels Corners Road • P. O. Box 1649
Stow, Ohio 44224-0649 • www.struktol.com
Phone (330) 928-5188 • Fax (330) 928-8726

TECHNICAL DATA

STRUKTOL[®] TR 451 **PROCESSING ADDITIVE**

COMPOSITION

An optimized blend of special oleo chemicals.

TYPICAL PROPERTIES

Appearance	tan pastilles
Dropping Point (°C)	62 - 76
Specific Gravity	0.99
Physiological Behavior	refer to safety data sheet
Storage Stability	at least 2 years under normal storage conditions
Packaging	25 kg. bags

RECOMMENDATIONS FOR APPLICATION

STRUKTOL[®] TR 451 is specifically designed for use in highly loaded mineral filled polyolefins. This unique additive allows compounders to utilize untreated minerals while maintaining or improving the processing and physical property characteristics typically associated with treated minerals. In addition, compounders using TR 451 may be able to increase filler loadings without sacrificing processability, stability or physical properties.

DOSAGE

0.2 – 1% of total compound

FDA STATUS

STRUKTOL[®] TR 451 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:

- | | |
|--|--|
| 172.615 Chewing gum base | 177.1400 Hydroxyethyl cellulose film, water insoluble |
| 172.860 Fatty acids | 177.1580 Polycarbonate resins |
| 175.105 Adhesives | 177.2420 Polyester resins, cross-linked |
| 175.300 Resinous and polymeric coatings | 178.2010 Antioxidants and/or stabilizers for polymers |
| 176.170 Compounds of paper and paperboard in contact with aqueous and fatty foods | 178.3860 Release agents |
| 176.210 Defoaming agents used in the manufacture of paper and paperboard | 184.1090 Stearic Acid |
| 177.1200 Cellophane | |