

Struktol TR 121 Slip Agent, Lubricant, Mold Release Agent

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer

Material Notes:

Unsaturated fatty primary amide derived from oleic acid. One of the major uses of oleamide is as a slip agent in polyethylene films. It functions by migrating to the film surface in a microscopic coating which reduces the coefficient of friction. In general, oleamide migrates more rapidly than erucamide (STRUKTOLÂ® TR 131) but has lesser heat stability. Where this is not a disadvantage, oleamide costs are inherently lower. This same property of uniform surface bloom permits STRUKTOLÂ® TR 121 to be used in injection molding applications. It functions as both a lubricant and mold release agent. These properties are valuable in processing thermoplastic resins, thermoplastic elastomers (TPEs) and thermoset rubber systems. STRUKTOLÂ® TR 121 may also function as a dispersant in concentrates by providing easier and more uniform letdown of the concentrated material. STRUKTOLÂ® TR 121 is insoluble in water and has limited solubility in alcohols, ketones and aromatic solvents. FDA Status: 175.105; 175.300; 178.3910; 179.45; 181.28

Order this product through the following link:

http://www.lookpolymers.com/polymer_Struktol-TR-121-Slip-Agent-Lubricant-Mold-Release-Agent.php

Physical Properties	Metric	English	Comments
Additive Loading	0.050 - 0.50 %	0.050 - 0.50 %	Applications in the rubber area normally require 1-3 phr loading levels. For plastics, these loading may vary from around 0.05% in films to more than 0.5% in mold release applications

Thermal Properties	Metric	English	Comments
Melting Point	70.0 - 76.0 Â°C	158 - 169 Â°F	

Optical Properties	Metric	English	Comments
Gardner Color Number	4.0	4.0	

Chemical Properties	Metric	English	Comments
Acid Value	<= 3.0	<= 3.0	

Processing Properties	Metric	English	Comments
Shelf Life	>= 24.0 Month	>= 24.0 Month	

Descriptive Properties	Value	Comments
Amide Content (%)	98	
Appearance	Light cream colored pellets or beads	
Iodine Value (max)	90	

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