

Addcomp ADD-VANCE® THC 831 PP based masterbatch containing heat stabilizers, coupling agent and carbon black

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Fields of application: Stabilization masterbatch for producing long fiber reinforced polypropylene for LFT processes.Examples: Long fiber reinforced polypropylene to be used for automotive interior applications like dashboard carriers, door modules, etc.Mode of action and advantages: ADD-VANCE®THC 831 contains a combination of heat stabilizers, coupling agents and carbon black. Heat stabilizers inhibit the thermo-oxidative degradation by radical scavenging and decomposing reactive hydroperoxides. Coupling agents provide a strong and stable bond between the glass fibers and the polymer by improving the polypropylene reactivity with amino-silane treated glass reinforcements.Advantages: Excellent Long Term Heat Ageing (LTHA) performance to achieve Daimler requirements (minimum achievement 1000 hours @ 120°C applying 2,2% dosing level on PP); ADD-VANCE®THC 831 will provide excellent mechanical properties after heat-aging @ 120°C; Non-blooming additives in combination with new coupling agent technology will result in: very low smell, low VOC and low emissions in general; Good glueing properties; Reduced quality control costs: high accuracy of each individual additive component in ADD-VANCE®THC 831 to ensure product consistency and a guaranteed stabilization of end-product; Optimized additive formulation to achieve lower overall additivation costs and easy processing; Good fiber-matrix interface due to the use of an efficient coupling agent; Non-sticking pellets, dust free dosing; and Safe and easy handling.Information provided by ADDCOMP

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addcomp-ADD-VANCE-THC-831-PP-based-masterbatch-containing-heat-stabilizers-coupling-agent-and-carbon-black.php

Physical Properties	Metric	English	Comments
Bulk Density	0.500 - 0.650 g/cc	0.0181 - 0.0235 lb/in ³	

Processing Properties	Metric	English	Comments
Processing Temperature	<= 300 °C	<= 572 °F	

Descriptive Properties	Value	Comments
Appearance	Black granules	
Dosing Level	0.022	for 20-30% glass concentrations

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