

Addcomp ADD-VANCE® THC 732 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 D-LFT and G-LFT processes. Examples: Long fiber reinforced polypropylene to be used for automotive parts, like underbody panels and shields, instrument panel carriers, front-end modules, door modules, etc. Mode of action and advantages: ADD-VANCE® THC 732 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. The de-molding additive system ensures good product release from the mould. Advantages: Excellent Long Term Heat Ageing (LTHA) performance to achieve VW and D-C requirements; ADD-VANCE THC 732 is a automotive grade stabilization system designed for LFT applications to withstand heat testing up to 1000 hour @ 150°C. ADDCOMP has verified these test results with its in house testing, dosing 3,5% stabilization additive on PP and containing no Glass Fibers. Since the product properties of the any final product is highly dependent on manufacturing processes, conditions and other materials added to the compound, like glass fiber, we strongly recommend our customers to test their final products accordingly to determine the necessary dosing rates and attainable testing results; ADD-VANCE® THC 732 will provide excellent mechanical properties after heat-aging @ 140 °C (Daimler-Chrysler test method); Excellent mould release properties; 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 732 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-732-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/in³	

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

Descriptive Properties	Value	Comments
Appearance	Black granules	
Dosing Level	0.035	for 20-40% glass concentrations

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