



March 2008

Heat Management in Greenhouses Presented at Conference for Agricultural Film

Ebrahim Mor, Techmer PM's Vice President of Technology, presented at AMI's Agricultural Film Conference in Barcelona, Spain on February 18, 2008. His presentation, entitled "Heat Management: IR-Reflector Technology for Greenhouses," focused on the use of Techmer PM's new infrared-reflecting masterbatch designed for PE films.

There are currently two methods used for shading of greenhouses: curtains and white washing. "Although white washing is an inexpensive method, it has many disadvantages," says Mor. "Techmer's PM13548 is the best alternative, effectively controlling heat energy by reflecting radiant heat of 750 to 1400 nm and 3000 to 15000 nm wavelength regions. Conventional methods of producing thermic PE film for greenhouse applications involve the addition of various fillers to the polymer. The new technology offered by Techmer PM is a manipulation of the wavelength in specific regions and better control of radiation balance inside the greenhouse. This new technology will reduce thermicity of PE film while maintaining 90% transmission in 400 to 700 nm (PAR region) wavelength range.

Techmer PM is a major producer of value-added colorants and additives for the plastics and fiber industries. The company has worldwide manufacturing capabilities focusing on high-performance applications where quality, technical support, and problem solving are critical.

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