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S M I C : 0753 BLACK & SILVER MULCH FILM

S M I C: 0753 Black & Silver Mulch Film is based on our proven S M I C 0553 Greenhouse Film formulation. The Vinyl Acetate content for this film is 10.50%. These films insulates the plants from moist soil, preventing contact and dramatically reducing plantation rot, as drier microclimate reduces plant sensitivity to disease such as Downy Mildew and Botrytis. These films also helps in reducing water / moisture loss due to evaporation from the soil surface, minimizing irrigation frequency and also maintaining humidity in the root zone area which is essential for root-zone temperature requirement. The characteristics of our Black & Silver Mulch Film are the Black color facing downwards blocks the entrance of light and suppresses weed germination. The Black color also absorbs the radiation, warming up, heating significantly the soil, especially in a good soil preparation and a perfect contact between the mulch film and the soil. The Silver color that faces upwards reflect approximately 45% of UV Radiation and approximately 65% of the visible light transmission of the visible spectrum PAR radiation-improving photosynthesis to the foliage which helps in intensifying the photosynthesis and growth processes. Apart from good light transmission, it also reflects light which help to reduce the incidence of insects and insect vectored viral diseases. Reduction in soil compaction is achievable by using these films as it decreases the crusting effect of rain and sunlight. The soil underneath these films stays loose and well aerated which increases the amount of oxygen in the soil and aids in microbial activity.

WARRANTY:

Warranty will be applied if buyer complies with the general condition as specified by the company.

Physical Properties of S M I C: 0753 BLACK & SILVER MULCH FILM

Properties	Test Method	Unit	Measured Values
Film Thickness	-	MM	0.15
VA Content	MDP Method	Wt %	10.50
Ultimate Tensile Strength (MD) (TD)	ASTM D882	Mpa	31 25
Ultimate Elongation (MD) (TD)	ASTM D882	%	883 778
Puncture Strength Elongation Energy	DOW Method	N MM J	76 53 2.7
Elmendorf Tear (MD) (TD)	ASTM D1922 Method B	N	8.1 10.7
Light Transmission	ASTM D1003	%	60
Light Absorption	ASTM D1003	%	48
Light Reflection	ASTM D1003	%	65

Note : The values given herein are meant for guidance only and do not constitute a specification