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S M I C : 0653 BLACK & WHITE MULCH FILM

This Black & White Mulch Film is based on our proven S M I C 0453 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 & White 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 White color that faces upwards reflect approximately 75% of the 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.

WARRANTY:

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

Physical Properties of S M I C: 0653 BLACK & WHITE 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	%	75
Light Absorption	ASTM D1003	%	30
Light Reflection	ASTM D1003	%	9

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