



新馬工業化工(馬)有限公司

S M I C (M) SDN. BHD. (72026-H)

No. 7799-C, Kawasan Perindustrian Merlimau, 77300 Merlimau, Melaka, Malaysia.

Tel: (606) 2631443 / 2635437 / 2635429 Fax: (606) 2632752

Email: smic.teo@gmail.com / info@smic.com.my Web: www.smic.com.my

SMIC: 0553

S M I C: 0553 also known as Black Mulch Film. It has the UV stabilization for 3 years in the 120-140 KLY / year climate condition just like our other greenhouse film. The Vinyl Acetate content for this film is 10.50%. Black Mulch Film applied to the soil intercept sunlight warming the soil which increases the efficiency of fertilizer use, thus allowing earlier planting as well as encouraging faster growth in the growing season. It also helps in reducing the amount of water lost from the soil due to evaporation and also aid evenly distributing moisture to the soil which reduces plant stress. This Black Mulch Film often used to prevent sunlight from reaching the soil which can inhibit most annual and perennial weed growth. Reduction in soil compaction is achievable by using this Black Mulch Film as it decreases the crusting effect of rain and sunlight. The soil underneath the Black Mulch Film stays loose and well aerated which increases the amount of oxygen in the soil and aids in microbial activity. Due to these factors, the use of Black Mulch Film can lead to improvement in the overall growth of the plant.

WARRANTY 3 YEARS:

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

Physical Properties of S M I C: 0553

Properties	Test Method	Unit	Measured Values
Film Thickness	-	MM	0.20
VA Content	MDP Method	Wt %	10.50
Ultimate Tensile Strength (MD) (TD)	ASTM D882	Mpa	31.9 24.3
Ultimate Elongation (MD) (TD)	ASTM D882	%	883 788
Elmendorf Tear (MD) (TD)	ASTM D1922 Method B	N	8.1 10.7
Film Haze	ASTM D1003	%	99.5
Film Surface Gloss @ 45	DOW Method	-	33.5
Puncture Strength	DOW Method	N	118
Elongation		Mm	80
Energy		J	6.1

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