

MULCH MAT



The mulch mat can be used to cover soil bed for control of weeds around a newly planted sapling. The mulch mat controls the temperature of the soil beneath it and saves the plant from extremely high or low temperatures, thus increasing the chances of survival of the sapling. It also helps in

retaining the nutrients and fertilizers applied to the sapling. The mulch mats could be woven or nonwoven made from biodegradable or non-biodegradable fibres.

SASMIRA is Center of Excellence for Agrotextiles (CoE-Agrotech) under Ministry of Textiles, GoI. CoE-Agrotech is actively involved in development and promotion of Agrotextile in the country and also providing support to Industry in manufacturing quality products for export purpose. Woven Mulch mat is manufactured and used in India in compliance with national product standard IS 16202:2014

Specification of 100 gsm Woven Ground Covers Made from PP as per IS 16202:2014

Sl No. (1)	Characteristic(s) (2)	Requirement(s) (3)	Method of Test, Ref to (4)
i)	Mass, g/m ² , <i>Min</i>	100	IS 1964
ii)	Tensile strength (grab), kgf, <i>Min</i>		IS 1969 (Part 2)
	a) Warp way	65	
	b) Weft way	35	
iii)	Tear strength, kgf, <i>Min</i>		IS 6489 (Part 1)
	a) Warp way	30	
	b) Weft way	18	
iv)	Air permeability, cft/ft ² /s, <i>Min</i>	20	IS 11056
v)	Index puncture resistance, kgf, <i>Min</i>	25	Annex B
vi)	UV accelerated exposure testing, percent strength retained, <i>Min</i>	70	Annex C
vii)	Water permeability lt/m ² /s, <i>Min</i>	7	IS 14324
viii)	Water vapour permeability, g/m ² /day, <i>Min</i>	730	ISO 11092

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