



Heat Generating Viscose Rayon – Converting Lights into Heat

Earth Wave™

Earth Wave is the warming fiber with the kneaded functional agent that absorbs infrared light from the sun and others to convert it into heat energy.



Absorbing ultraviolet light prompts molecular oscillation, leading to active heat generation.

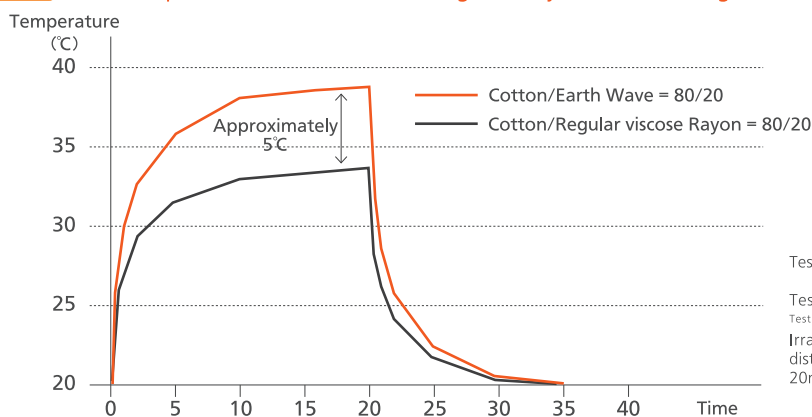


Material Used for Earth Wave

DATA

Heat Generation Performance

The temperature of Earth Wave rises significantly under infrared light irradiation compared with regular viscose rayon.



Test Method: KAKEN TEST CENTER General Incorporated Foundation
 Test Sample: Spunlace nonwoven fabric of 135g/m2 weight
 Test Environment: 20°C±2°C
 Irradiate test sample with a 500W reflector lamp at 50cm distance from it and measure the temperature change after 20minutes.

DATA

Static-inhibiting Performance

Compared with the regular viscose rayon, Earth Wave is more effective to prevent static electricity.

Test Item		Test Result		Test Method
		Earth Wave	Regular viscose rayon	
Friction-charged Electrostatic Potential (V)	Wool	400	1,200	JIS L 1094-2008 Friction-charged Electrostatic Potential Measuring Method
	Polyester	870	890	

Generally the electric voltage that is perceived by human body is 3000V(volt).

Test Laboratory: KAKEN TEST CENTER General Incorporated Foundation

Test sample: Spunlace nonwoven fabric of 100g/m2 weight

Note: The color of this fiber is slightly different from that of regular viscose rayon due to the characteristics of the function agents. Please note that measurement values may vary depending on fabric composition. Upon commercialization, please confirm each value.

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