

A NEAR-INFRARED RAY SHIELDING FILM AND A METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

A method of manufacturing a near-infrared ray shielding film is
5 disclosed. The method comprises: providing a raw material of PET;
providing tungsten oxides-containing nanoparticles; blending the raw
material of PET and the tungsten oxides-containing nanoparticles to obtain
a polyester mixture with 80-99.99 wt% of the raw material of PET and
0.01-20 wt% of the tungsten oxides-containing nanoparticles; rolling the
10 polyester mixture to obtain a polyester sheet; and biaxially-orientating the
polyester sheet with a orientating rate of 1-100 meters per minute at
60-300°C.

FIG. 2