

FILM FOR PROTECTING MOTHER GLASS FOR FLAT
PANEL DISPLAY AND USE THEREOF

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to provide a surface
protecting film which dramatically improves an efficiency of
transporting and storing a mother glass, has better peelability from
5 an adherend when peeled without polluting a mother glass surface,
and gives reinforcing effect by adopting a pressure-sensitive
adhesive protecting film, and use thereof. This invention relates to
a film for protecting a mother glass for a flat panel display having a
pressure-sensitive adhesive layer on one side of a film substrate,
10 wherein a surface roughness Ra of the pressure-sensitive adhesive
layer is $0.2\mu\text{m}$ or smaller, and a surface roughness Rz is $1.0\mu\text{m}$ or
smaller, and wherein the pressure-sensitive adhesive layer
comprises a crosslinked copolymer containing a (meth)acrylic acid
ester monomer and a vinyl-based monomer having a functional
15 group as a component, and a glass transition temperature of the
copolymer obtained by a Fox's equation is -25 to -10°C .

FIG.1