

TITLE : "ADHESIVE TAPE FOR TEMPORARY-ATTACHMENT
OF DEVICES"

An adhesive tape for temporary attachment of a device includes a substrate film and an adhesive layer provided on at least one face of the substrate film. The adhesive layer is composed of an adhesive composition, the adhesive composition containing a pressure-sensitive adhesive and a side-chain crystallizable polymer. The side-chain crystallizable polymer is obtained from a monomer mixture comprising: about 40 to about 70 wt.% of an acrylic acid alkyl ester and/or a methacrylic acid alkyl ester which has an alkyl group including 1 to 6 carbon atoms; about 2 to about 10 wt.% of a carboxyl group-containing ethylenic unsaturated monomer; and about 20 to about 50 wt.% of an acrylic acid alkyl ester and/or a methacrylic acid alkyl ester which has an alkyl group including 16 or more carbon atoms. The polymer has a weight average molecular weight of about 3,000 to about 25,000. Since the adhesive tape has a good tackiness with respect to the device at a low temperature, the device can be processed (e.g., cut) or transferred by fixing the device on the adhesive tape at a low temperature. When peeling the device off the adhesive tape, the adhesive tape is heated to a predetermined temperature or above

-36-

so that the device can be easily peeled off the adhesive tape.