

ABSTRACT

The UV-curable resin compositions for optical discs are characterized in that they comprise (A) 15-70 wt% of a (meth)acrylate monomer that has an ethylene oxide chain in the molecule, (B) 5-50 wt% of a urethane (meth)acrylate, (C) 2-50 wt% of an epoxy (meth)acrylate, and (D) 1-10 wt% of a photopolymerization initiator, in the resin composition. The glass transition temperature of cured films thereof is 10-65°C, and the maximum value of the dynamic loss factor $\tan \delta$ of the cured films is in the range of 0.35-0.73.