

COPOLYESTER RESIN AND POLYESTER FILM FOR COVERING METAL PLATES AND  
LAMINATED POLYESTER FILM COMPRISING SAME MADE INTO FILM

ABSTRACT

5           The problem to be solved by the present invention is to provide a polyester resin  
excellent in various properties wherein the film formability is good, film fracture (hairs) and  
scraping (galling) are not easily generated in the drawing/ironing process when applied to a  
metal-sheet-coating polyester film, the film surface is not damaged when used as the  
inner-surface film for a metallic can, and the metallic can is hardly corroded (dent resistance), by  
10 dropping or external impact (denting), after a product is made by enclosing contents into the can.

          The copolyester resin of the present invention is characterized by comprising, as the  
constituent units, 50 to 93 mass% of (A) ester oligomer with the number-average molecular  
weight of 700 or lower and consisting of a dicarboxylic acid unit (a1) containing 70 mole% or  
more of the terephthalic acid component and a diol unit (a2) containing 70 mole% or more of the  
15 ethylene glycol component; and 7 to 50 mass% of (B) polyester polyol with the number-average  
molecular weight of 1500 to 3000 and consisting of a hydrogenated dimer acid unit (b1) and a  
1,4-butanediol unit (b2).

20   [No Suitable Figure]