

ABSTRACT

A toner is provided that comprises a colorant and a binder resin, wherein the binder resin comprises a polyester resin that is prepared by a polycondensation reaction in the presence of at least a titanium-containing catalyst expressed by General Formula (I) or (II), the toner has a volume average particle diameter of 2.0 μm to 10.0 μm and a ratio Dv/Dn within a range of 1.00 to 1.40, in which Dv represents a volume average particle diameter and Dn represents a number average particle diameter,



in General Formulas (I) and (II), X represents a residue of a mono-alkanolamine of 2 to 12 carbon atoms or a polyalkanolamine from which a hydrogen atom of one hydroxyl group is removed; other hydroxyl group(s) and still other hydroxyl group(s), within the polyalkanolamine molecule that has a directly bonding Ti atom, may polycondense to form a ring structure; other hydroxyl group(s) and still other hydroxyl group(s) may polycondense intermolecularly to form a repeating structure; and the polymerization degree is 2 to 5 in a case of forming the repeating structure; R represents one of a hydrogen atom and alkyl groups of 1 to 8 carbon atoms that may have 1 to 3 ether bonds; “m” is an integer of 1 to 4; “n” is an integer

of 0 to 3; the sum of “m” and “n” is 4; “p” is an integer of 1 or 2; “q” is an integer of 0 or 1; the sum of “p” and “q” is 2; and in a case that “m” and “p” is 2 or more, the respective Xs may be identical or different each other.