

Abstract

A method for manufacturing a recycled polycarbonate raw material for a flame retardant resin composition from discarded and/or recovered optical discs using a polycarbonate resin as a substrate material, and includes (a) a step to identify if 2,2-bis(4-hydroxyphenyl)propane as a divalent phenol of the polycarbonate resin raw material is polymerized as the sole raw material in the polycarbonate resin as the substrate material of the discarded and/or recovered optical discs and (b) a step to remove impurities by a chemical treatment by separating only the discarded and/or recovered optical discs, wherein the polycarbonate resin is identified as polymerized by using 2,2-bis(4-hydroxyphenyl)propane as the sole raw material. Accordingly, used optical discs using a PC resin as a substrate material and discarded optical discs as substandard articles in a manufacturing step can be reused as a raw material for a flame retardant polycarbonate resin composition by treating with a method at low cost and a low environmental load.