Abstract: Open source products/projects targeting the same or similar applications are common nowadays. This makes choosing a tricky task. Quality is one factor that can be considered when choosing among similar open source solutions. In order to measure quality in software, quality models can be used. Open source quality models emerged due to the inability of traditional quality models to measure unique features (such as community) of open source software. The aim of the paper therefore is to examine the characteristic features, unique strengths, and limitations of existing open source quality models. In addition, we compare the models based on some selected attributes.