The investigation of the effects of incorporating various phenolic compounds on the curing of bisphenol A dicyanate (BADCY) revealed that *o*-(dimethylamino)methylphenol (*o*-DAMP) was a very effective catalyst, which reduced the final curing temperature to 180 °C. The promoting effect of *o*-DAMP was due to the presence of a phenolic OH and a (dimethylamino)methyl groups at the ortho-positions of the molecule. The addition of *o*-DAMP improved the mechanical properties of the cured BADCY resins, and the most balanced properties were obtained when the ratio of OH to OCN was 0.05.