17. The abrasive article as recited in claim 1, wherein the bond material comprises a total content of alkali oxide compound (R_2O) of at least about 10 wt% and not greater than about 20 wt% for a total weight of the bond material.

18. The abrasive article of claim 1, wherein the bond material comprises not greater than 3 different alkaline earth oxide compounds (RO) selected from the group consisting of calcium oxide (CaO), magnesium oxide (MgO), barium oxide (BaO), and strontium oxide (SrO).

19. The abrasive article of claim 1, wherein the bond material comprises an alkaline earth oxide compound (RO) and wherein a total amount of alkaline earth oxide compound (RO) present in the bond material is not greater than about 3.0 wt%.

20. The abrasive article of claim 1, wherein the bond material comprises a content of aluminum oxide (Al_2O_3) of at least about 15 wt% and not greater than about 20 wt% for a total weight of the bond material.

21. The abrasive article of claim 1, wherein the bond material comprises at least one alkali oxide compound (R_2O) and at least one alkaline earth compound (RO), and wherein a total content of a combination of alkali oxide compounds (R_2O) and a total content of alkaline earth compounds (RO) is at least 14 wt% of a total weight of the bond material.

22. The abrasive article of claim 1, wherein the bonded abrasive body comprises:

a strength ratio (MOR/MOE) of at least 1.0;
a porosity content of at least 42 vol% and not greater than 56 vol% for the total volume of the bonded abrasive body,
an abrasive particle content of at least 42 vol% and not greater than 52 vol% for the total volume of the bonded abrasive body; and
a bond material content of at least 6 vol% and not greater than 14 vol% for the total volume of the bonded abrasive body.

23. The abrasive article of claim 1, wherein the bonded abrasive body comprises a MOR of at least about 45 MPa for a MOE of at least about 40 GPa.

24. The abrasive article of claim 23, wherein the bonded abrasive body comprises a MOR of at least about 48 MPa for a MOE of at least about 40 GPa.

25. The abrasive article as recited in claim 22, wherein the strength ratio (MOR/MOE) is at least 1.1.