

LOW ASH CARBON BLACKS

ABSTRACT

Novel furnace carbon blacks that impart advantageous properties to rubber and plastic compositions and may be utilized in the place of acetylene blacks. The furnace carbon blacks have an ash level less than or equal to 50 ppm, preferably less than or equal to 30 ppm, most preferably less than or equal to 10 ppm, a sulfur level less than or equal to 50 ppm, preferably less than or equal to 30 ppm most preferably less than or equal to 10 ppm, an L_a less than or equal to 30 Å and an L_c less than or equal to 30 Å. Also disclosed are novel rubber and plastic compositions incorporating the novel furnace carbon blacks which exhibit advantageous properties, particularly in extending the useful service life of power cables produced using the compositions.

FIGURE 1