



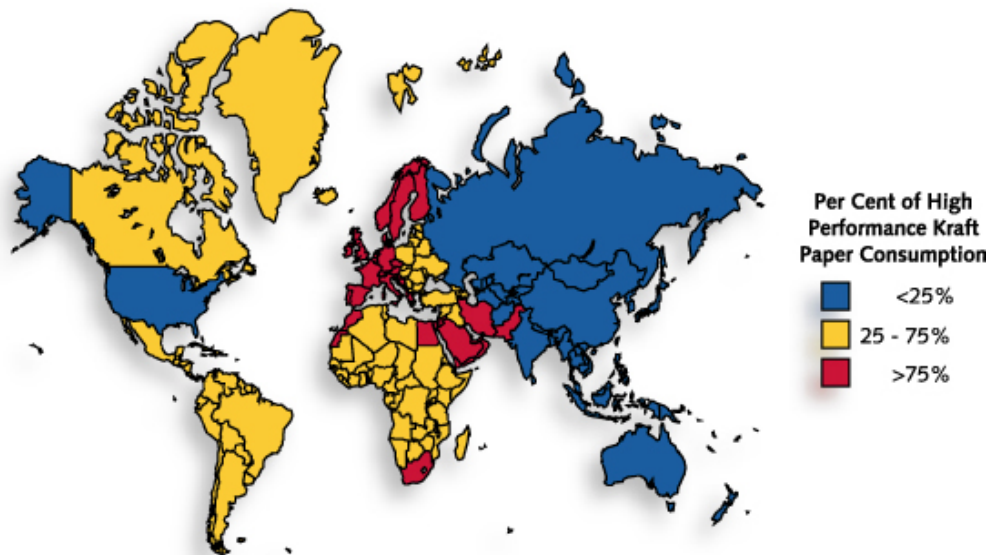
RAPID GROWTH IN HIGH PERFORMANCE PAPER WORLDWIDE

Kodiak and Polar are high performance papers

Kodiak and Polar are part of a category of packaging papers known as high performance. This term refers to a category of paper in which the strength has been increased to such an extent that the amount of paper in a multiwall bag can be reduced by a significant amount; in most cases by 30% compared to conventional kraft papers.

Less paper in the bag translates to a more environmentally-friendly high value package. The savings in paper can be achieved either by reducing basis weight of each ply or more commonly reducing the number of plies in a bag from 3 or 4 to 2. This evolution has been going on in the multiwall bag business since paper bags were first manufactured. Many of the first bags had 4, 5 or 6 plies and now the standard is 3 ply in North America and 2 ply in many other areas of the world.

Today in fact an estimated 2 million tonnes of capacity now exists for the manufacture of high performance papers including approximately 500,000 tonnes in North America.





Growth of High Performance Paper Capacity

From 0 in 1980 to 1.75 millions tonnes today

