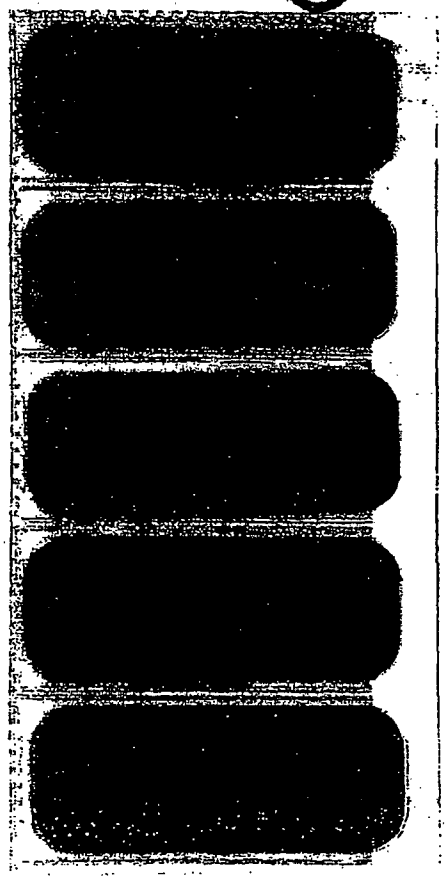
Victor



The physical properties shown were obtained by the applicable procedures shown in parenthesis and listed on "Test Procedures" page.

COLD ROLLED LOW CARBON STEEL AND BLACK PLATE have essentially the same chemical composition and can be produced to have the same physical characteristics, although made by different manufacturing processes. For gasketing applications, cold rolled steel is used when thicknesses over .015" are required, while black plate is used in thicknesses under .015". Various tempers of these steels are available to give characteristics ranging from drawing quality to great stiffness. Principal gasketing applications include beaded cylinder head gaskets and manifold gaskets.

TIN PLATE consists of black plate steel which has been electrolytically coated with a very thin layer of tin. Tempers can range from a soft drawing quality grade to a rephosphorized steel having great stiffness. Tin plate is useful in applications requiring corrosion and rusting resistance, when in contact with aqueous or acidic solutions. It is employed in layer-type constructions; as perforated core clinched to soft components; and in gasket flanges.

STAINLESS STEEL refers to various steel alloys containing large amounts of chromium and often other elements, which impart a great amount of resistance to corrosive media as well as high strength and high heat resistance. A wide variety of compositions is available, depending on the desired end use. In gasket applications, stainless steel is employed in layer-type constructions; as perforated core clinched to soft components; as beaded steel gaskets; and in gasket flanges and fire rings.

COPPER is especially useful in situations where ductility and conformity to adjacent surfaces are important. Various tempers of copper may be employed depending on the desired stiffness, It is more resistant to corrosion than ordinary steel when in contact with the atmosphere, aqueous solutions, and various chemical solutions. Compared to other metals, it has a high thermal conductivity. Copper is frequently used in layer-type gaskets, and for grommets and washers.

ALUMINUM is a light weight metal having generally good corrosion resistance to various media. as well as excellent formability properties. Many different alloyed compositions and tempers are available for specific end use characteristics. Gasket applications for aluminum include layer gaskets and flanges.