

Royalseal K-1100

Description of Material:

Royalseal K-1100 is an anthracite highly filled non-asbestos fibre gasket material with nitrile rubber as binding agent.

The material is recommended for higher flange loads, as it is crush resistant.

Specifications	Values
Colour	Anthracite
Density	1.25-1.45 g/cm ³
Maximum application temperature	200° C
Tensile strength	≥ 12.7 MPa
Compressibility ASTM F36/J	12-20 %
Recovery ASTM F36/J	≥ 45 %
Compression set according to ASTM F38 / B: After 22h at 100° C	≤ 35 %

ASTM fuel B - after 5 hours at 23° C:

Weight increase	≤ 20 %
Thickness increase	≤ 15 %

ASTM oil # 3 - after 5 hours at 150° C:

Weight increase	≤ 25 %
Thickness increase	≤ 15 %

End use applications:

The material is recommended for sealing fuels, hydraulic fluids, transmission fluids, hot oil, air, and water.

Material thickness: 0.5 - 0.8 - 1.0 - 1.6 mm

Rev.02

The function and durability of gaskets are highly dependent on the application and the medium. Since the conditions of use are beyond our control, Elwis Royal can only be held responsible for the characteristics of the material and for the geometrical design of the gasket.