DATA SHEET

Non Asbestos BS7531 Grade X
YG- X

INTODUCTION

Yorkshire Gaskets Grade YG - X is a premium grade of Non Asbestos sheet material based on aramid and inorganic fibres with a high quality nitrile binding system & has specially selected constituents and structure to ensure high tightness of a joint and resistance to a whole range of media, including steam, water, fuels, oils, solutions of salt as well as weak solutions of acids and bases. Thanks to application of a unique composition of fibres and fillers, gaskets made of this material feature higher resistance to operation in steam.

Yorkshire Gaskets Ltd

@gaskets247

CERTIFICATE NO. 14235
ISO9001

MAXIMUM WORKING CONDITIONS		
PEAK TEMPERATURE	400 °C	
TEMPERATURE UNDER CONTINOUS OPERATION	340°C	
TEMPERATURE UNDER CONTINOUS OPERATION WITH STEAM	250 °C	
MAX. PRESSURE UNDER CONTINOUS OPERATION	MPa (bar) psi	12 (120 bar) 1740

PHYSICAL AND CHEMICAL PROPERTIES			
DENSITY +/- 5%	g/cm3	1,9	DIN28090-2
TRANSVERSE TENSILE STRENGTH MIN	MPa	9	DIN 52910
COMPRESSIBILITY, (TYPICAL VALUE)	%	10	ASTM F36
ELASTIC RECOVERY – MIN. 63280	%	55	ASTM F36
RESIDUAL STRESSES50MPa/16h/300°C/ (MIN)	MPa	29	DIN 52913
RESIDUAL STRESSES50MPa/16h/175°C/ (MIN)	MPa	34	DIN 52931
MATERIAL GRADE REG. CLASSIFICATION BS 7531, RESIDUAL STRESS (16H/300°c) THK= 1,5 MIN	MPa	28,9 MPa Grade X	BS 7531

INCREASE IN THICKNESS			
OIL IRM 903 150°C/5h (MAX)	%	6	ASTM F146
MODEL FUEL B 20°C/5h (MAX)	%	6	ASTM F146
DISTILLED WATER 100°C/4h MAX	%	2	ASTM F146

The information given is based upon average values and is in no way intended as a warranty. The purchaser shall be responsible for determining the suitability of the product for any particular application.

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