



Description

Style 9160 packing is made of a tightly braided yarn of high purity Expanded Graphite. The benefit of Expanded Graphite packing is enhanced by the use of Glass Fibre reinforcement rather than Cotton, to ensure high temperature compatibility without volume loss. This product has the characteristic heat dissipation qualities, as well as the low friction, good sealing ability, high chemical resistance, a passive corrosion inhibitor and the high compressibility properties of Expanded Graphite.

Construction

Style 9160 is a braided packing constructed of Expanded Graphite fibre tape that has been formed into a yarn, with a Glass Fibre yarn as reinforcement.

Application

This product is ideally suited for both pump and valve applications. It has proven itself in the Petrochemical, Pulp and Paper and Power Generation industries. Especially useful in dryers, blowers, pulpers, digesters, agitators, mixers, high temperature steam valves and hydrocarbon valves, with the added advantage of reduced emissions as well.

Size & Weight - Style 9160 Packing

mm	3	4	5	6	7	8	10	11	12	13
inch	1/8	5/32	3/16	1/4	-	5/16	3/8	7/16	1/2	-
m/kg	90	50	32	23	17	13	8.3	7	5.8	4.9
mm	14	15	16	18	19	20	22	24	25	-
Inch	9/16	-	5/8	11/16	3/4	13/16	7/8	15/16	1	-
m/kg	4.5	4	3.5	2.7	2.5	2.2	1.9	1.7	1.5	-

Specification

Item	UoM	Magnitude	
Dimensional Deviation	mm	Axial	0.00 ~ +0.50
		Radial	0.00 ~ -0.50
Carbon Content in Graphite	%	>98	
Ash Content in Graphite	%	<1.5	
Volumetric Density	g/cm ³	1.0 ~ 1.3	
Compressibility	%	25 ~ 45	
Resilient Rate	%	>15	
Working Temperature	°C	Oxidising	-240 ~ +450
		Non-oxidising	-240 ~ +650
Pressure	bar	Rotary (Pumps)	20
		Stationary (Valves)	250
Surface Speed	m/sec	20	
pH	pH	0 - 14	
Ignition Loss	%	<10 (300°C @ 3 hours)	
Friction Factor	-	<0.18	
Total Sulphur Content	ppm	<1000	
Total Chloride Content	ppm	<50	
Total Metal Content	ppm	<500	
Total Fluorine Content	ppm	<20	