



(South Africa) Industrial, Mining
& Automotive Supplies (Pty) Ltd.



DATA SHEET

DPH Style D549 Packing

Description

D549 packing is Expanded Graphite combined with Carbonised Yarn. The advantage of Expanded Graphite packing is enhanced by the tensile strength of Carbonised Yarn corners. This combination retains the heat dissipation qualities of Expanded Graphite, as well as the low friction, great sealing quality, high chemical resistance and high compressibility properties of Expanded Graphite. The inclusion of Carbonised Yarn in the corners adds tensile strength to the product allowing an increased pressure capability and extrusion resistance.

Construction

D549 is a braided packing formulated of Expanded Graphite fibre tape that has been formed into a yarn, with Carbonised Yarn in the corners and body of the packing.

Application

This product is ideally suited for both pump and valve applications. It has proven itself as a single spool solution to the Petrochemical, Pulp and Paper and Power Generation industries. D549 is especially useful in difficult to seal environments such as hydrocarbons, pulp, white and green liquor, steam and slurry.

Size and Weight

D549 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

<u>Item</u>	<u>Unit</u>	<u>Magnitude</u>
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	-100 ~ +450
Pressure	bar	25 Rotary (Pumps) 275 Stationary (Valves)
pH	pH	2 - 12
Base Material		Expanded Graphite Tape
Reinforcement		Carbonised Yarn
Lubricant		None