



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



## DATA SHEET

### DPH STYLE D542 gland packing

#### Description

D542 packing is Graphite enhanced Expanded PTFE braided packing. This dense and strong product has the ability to withstand extreme chemical attack. The high surface speed capability of this product, together with resistance to hardening, has proven that it can easily be used as a plant standardization product.

#### Construction

Style D542 is a braided packing constructed of Expanded PTFE with Graphite powder which have been inter-braided into a dense, but flexible product that is extremely gentle on shafts. PTFE tape and Graphite have been locked together in such a manner that the maximum benefits are gained from both these wonderful materials. There are no added lubricants that can migrate out of this product; the lubrication is included in the yarn.

#### Application

D542 works well in pump applications due to its material characteristics. The ability to remove heat from the surface contact area, while remaining flexible, makes this one of Industry's most widely used gland packing. Use in valves has also proven most successful due to the dense construction of the yarn, allowing no penetration by the sealed medium. PTFE has become the industry standard for harsh Acidic or Alkaline applications due to the ability to withstand the attack. When Graphite is included in the material the advantages are even greater. This product is used throughout all the different industries in almost every application imaginable, limited only by severe temperature and very strong oxidizers such as fuming Nitric Acid, Fluorine, Aqua Regia and Oleum.

#### Size and Weight

D542 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	70	32	27	17	13.6	10.5	7	5.51	4.5	4
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	3.3	3	2.6	2	1.8	1.6	1.38	1.16	1.03	

#### Specification

<u>Item</u>	<u>Unit</u>	<u>Magnitude</u>	
Dimensional Deviation	mm	Axial	0.00 ~ +0.50
		Radial	0.00 ~ -0.50
Working Temperature	°C	-200 ~ +280	
Pressure	bar	15	Rotary (Pumps)
		150	Stationary (Valves)
Surface Speed	m/sec	20	
pH	pH	0 - 14	
Base Yarn	Expanded PTFE with Graphite powder		
Lubrication	Zero External		