



Nexus Pump and Valve Packing



DATA SHEET

Nexus Style 2381 Packing

Description

Style 2381 packing is a Graphite enhanced Expanded PTFE braided packing with a high grade Dynol fibre reinforcement in the four corners. Style 2381 has been formulated to improve the abrasion resistance of standard graphite encapsulated PTFE (Style 2301) packing. This product is a dense and resilient product with the ability to withstand extrusion and abrasive wear while able to run at high speed due to the combination of graphite encapsulated PTFE and Dynol fibre.

Construction

Style 2381 is a braided packing constructed of a combination of Graphite filled Expanded PTFE and Dynol yarn which have been inter-braided into a dense, but flexible product. 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

Style 2381 is ideally suited for pump applications due to its material characteristics. The ability of the base material (Graphite filled Expanded PTFE) to remove heat from the surface contact area, while remaining flexible, makes this one of Industry's most widely used gland packing materials. Use in valves has also proven most successful due to the dense construction of the yarn, allowing no penetration by the sealed medium. 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

Style 2381 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	-40 ~ +260	
Pressure	bar	25 200	Rotary (Pumps) Stationary (Valves)
Surface Speed	m/sec	12	
pH	pH	2 - 12	
Base Yarn	Graphite filled PTFE and Dynol		
Lubrication		PTFE	