

STYLE 2238-OX

Valve Stem Packing for Oxygen Service



MATERIAL COMPOSITION:

Packing Style 2238-OX is composed of a high purity flexible graphite yarn with oxidation inhibitors, individually reinforced with an Inconel® 600 wire mesh. The entire process is maintained in a clean room environment from the yarn to the finished product.

PROPERTIES:

The specific needs of oxygen based operations were taken in consideration while developing Style 2238-OX to make it the ideal sealing solution for oxygen service applications.

APPLICATION:

Teadit Style 2238-OX was designed for valves used in oxygen service.

BENEFITS:

The materials selected and the manufacturing procedure developed for this packing allows for contaminate-free properties needed for oxygen service valves, while assuring a fire-safe operation and delivering low leak rates.

NOT SUITABLE FOR

Electrolyte containing applications.

SERVICE LIMITS:

According to BAM test report 2-2950/2014 E the 2238-OX packing maximum service limits are:

For gaseous oxygen	
Temperature C(F)	Oxygen Pressure bar(psi)
UP TO 60(140)	210(3046)
>60(140) UP TO 300(572)	140(2030)
For liquid oxygen	
No pressure limitation since compression of oxygen has no considerable influence on the reactivity of the material.	

Flexible graphite yarn typical properties:	
Carbon Content (%)	≥98
Ash Content (%)	≤2
Total Chlorides Content (ppm)	≤25
Total Fluorides Content (ppm)	≤10
Total Halogen Content (ppm)	≤100
Total Sulfur Content (ppm)	<300
Oxidation rate in air at 670C (%/h)	≤1

STANDARD PACKAGE:

Size	mm	3.2	5	6.4	8	9.5	11	12.6	14	16	19	22	25
	inch	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
Standard Package (±10%)		1 Lb (0.5 Kg)		2 Lbs (1 Kg)		5 Lbs (2 Kg)				10 Lbs (5 Kg)			

Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice; this edition cancels all previous issues.

Teadit North America.

10545 Red Bluff Rd - Pasadena - TX - 77507

Phone: 281-476-3900 - Fax: 281-476-3999 - e-mail: sales@teadit.com - engineering@teadit.com - www.teadit-na.com