

## **COLTEX™ ePTFE JOINT SEALANT**



Coltex™ is Optinova's high-performing joint sealant solution made of expanded PTFE.

Coltex™ offers the unique properties of PTFE in a soft and durable sealing product. Coltex™ is highly versatile, allowing it to conform to irregular sealing surfaces. It provides excellent sealing for flanges, pipes, containers and other surfaces in high pressure environments. Coltex™ is available as string or gasket tape, with or without adhesive.

Optinova can provide raw materials with FDA and/or USP Class VI approval. Our ePTFE joint sealant tapes are available in all standard sizes, yet bespoke dimensions can be made upon request.

Expanded PTFE is a highly specialized product and manufacturing ePTFE requires years of accumulated knowledge and expertise in extrusion. Founded in 1971, Optinova is proud to be one of the leading manufacturers of ePTFE joint sealant tape in the world.

### **KEY ADVANTAGES**

- Low coefficient of friction
- Operating temperature: -250°C to 270°C
- Melting point: 327°C
- Non-flammable and non-smoke emitting
- Non-aging and non-stick, self-lubricating
- Inert against all chemicals
- Sustainable packing solution available
- Approved by German BAM and DVGW for use with gaseous oxygen

### **USAGE MANUAL FOR COLTEX™**

1. Choose an appropriate gasket width
2. Clean the surface for optimal adhesion
3. Remove oil, graphite and other residue
4. Position Coltex™ near the starting bolt
5. Remove the adhesive backing slowly
6. Allow Coltex™ ends to overlap 2-3 cm
7. Cut away the overlapping parts
8. Tighten the bolts 2-4 times crosswise

Contacts our sales offices or visit our website for more information about sample and specifications!

**[optinova.com/contacts](https://www.optinova.com/contacts)**

## COLTEX™ SEALANT STANDARD SIZES

Coltex™ Gasket Tape (Sheet)	Coltex™ String Tape (Round)
Dimensions (mm/inch)	Diameters (mm/inch)
3,00 x 1,50 / 0,118 x 0,059"	2,00 / 0,079"
5,00 x 1,00 / 0,197 x 0,039"	4,00 / 0,158"
5,00 x 2,00 / 0,197 x 0,079"	4,50 / 0,177"
5,00 x 2,50 / 0,197 x 0,098"	5,00 / 0,197"
5,00 x 5,00 / 0,197 x 0,197"	6,00 / 0,236"
6,00 x 4,00 / 0,236 x 0,158"	8,00 / 0,315"
7,00 x 2,50 / 0,276 x 0,098"	10,00 / 0,394"
7,00 x 5,00 / 0,276 x 0,197"	
8,00 x 8,00 / 0,315 x 0,315"	
8,30 x 5,00 / 0,327 x 0,197"	
10,00 x 3,00 / 0,394 x 0,118"	
10,00 x 6,00 / 0,394 x 0,236"	
10,00 x 7,00 / 0,394 x 0,276"	
12,00 x 4,00 / 0,472 x 0,156"	
12,00 x 6,00 / 0,472 x 0,236"	
14,00 x 5,00 / 0,551 x 0,236"	
17,00 x 6,00 / 0,669 x 0,236"	
18,00 x 3,00 / 0,709 x 0,118"	
20,00 x 3,00 / 0,787 x 0,118"	
20,00 x 7,00 / 0,787 x 0,276"	
22,00 x 8,00 / 0,866 x 0,315"	

\*Customizable dimensions and diameters can be supplied upon request. Please contact our global sales offices for more information.

## COLTEX™ TUBING SIZES AND DENSITIES

ID	ID Tolerance	Wall	Wall Tolerance	Porosity	Density	Density Tolerance
mm	mm	mm	mm	%	g/cm <sup>3</sup>	g/m <sup>3</sup>
0,60-2,50	+/-0,10	0,25-0,50	+/-0,10	8-22%	1,70-2,00	
2,50-5,00	+/-0,10	0,50-1,00	+/-0,20	8-22%,	0,40-0,90	+/-0,10
				22-59%,	0,90-1,70	+/-0,10
				59-82%	1,70-2,00	+/-0,10
5,00-8,00	+/-0,10	0,50-1,00	+/-0,20	8-22%,	0,40-0,90	+/-0,10
				22-59%,	0,90-1,70	+/-0,10
				59-82%	1,70-2,00	+/-0,10

\*Tubing is made upon customer specific requirements. Let us know your desired diameters and density, we will provide you with an appropriate solution for your application.