



ASTRAL[®] PIPES

STRONG NAHIN, ASTRAL STRONG!![™]

ASTRAL FLOWGUARD[®] BENDABLE MULTILAYER COMPOSITE PIPE



ASTRAL **FLOWGUARD[®]** **BENDABLE** MULTILAYER PIPE

FlowGuard[®] Bendable is the registered mark of The Lubrizol Corporation.
The Lubrizol Corporation is a Berkshire Hathaway company.

PRICE LIST


With effect from 1st January, 2016




ASTRAL FLOWGUARD® BENDABLE MULTILAYER COMPOSITE PIPE

SIZE (mm)	SIZE (in.)	PART NO.	STD. PKG. (Nos.)	PRICE (₹)
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BENDABLE PIPES

BENDABLE PIPES (STRAIGHT)				(Rate per pcs.)	(3 Mtr. Length)
15	½	M021160301	50	477.00	
20	¾	M021160302	40	660.00	
25	1	M021160303	25	846.00	
32	1¼	M021160304	15	1155.00	
40	1½	M021160305	10	1455.00	
50	2	M021160306	8	1818.00	

BENDABLE PIPES (COIL)				(Rate per pcs.)	(25 Mtr. Length)
15	½	M021162501	25 Mtr	3972.00	
20	¾	M021162502	25 Mtr	5505.00	
25	1	M021162503	25 Mtr	7062.00	

SIZE (mm)	SIZE (in.)	PART NO.	STD. PKG. (Nos.)	PRICE (₹)
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BENDABLE INSERT

BENDABLE INSERT				(Rate per pcs.)	
15	½	M012114501		3.00	
30	¾	M012114502		4.00	
25	1	M012114503		5.00	
32	1¼	M012114504		8.00	
40	1½	M012114505		13.00	
50	2	M012114506		19.00	

INTRODUCTION

ASTRAL FlowGuard® Bendable multilayer composite pipe consists of an inner layer of CPVC, a middle layer of butt-welded aluminum and an outside layer of CPVC. All of the layers are bonded with an adhesive, specially formulated to withstand water temperatures up to 180°F (82°C). The pipe is tested to applicable tests in ASTM F2855 standard.



The strength of the adhesive is sufficiently high to keep all three layers bonded together under testing conditions specified by ASTM F2855. A recommended application for ASTRAL FlowGuard® Bendable multilayer composite pipe is under-slab construction where long runs of potable water need to be bent to protrude through concrete.

AVAILABLE SIZES

- ½", ¾", 1", 1¼", 1½" and 2" Copper Tube Size in straight length
- Coils are available in ½", ¾" and 1" sizes.

BENEFITS

- Innovative insert fitting allows the use of standard ASTRAL® fittings.
- Resists corrosion, pitting, scaling and chlorine degradation - even when exposed to alkaline soil conditions or water with high chloride levels.
- Minimizes labor time and costs with a fast, easy installation process involving readily available inexpensive tools.
- Offers a cost-effective, price-stable alternative to copper.
- Features a thermal expansion coefficient closer to copper, very low than other plastics.
- Eliminates the need for joints if bent.

FEATURES

- Excellent combination of flexibility and rigidity allows the pipe to be workable yet hold shape.
- Cost-effective alternative to rigid and Type L soft copper.
- Extra toughness provided by aluminum middle layer.
- Kink-resistant.
- Very less thermal expansion/contraction.
- Hanger spacing can be increased in overhead applications.
- Long-term pressure performance is not affected by chlorine or common water disinfectants, UV resistant.
- Suitable for continuous recirculation.
- Backed by Lubrizol's 52+ years of expertise in CPVC piping systems.

PRICE LIST w.e.f. 1st January 2016

TERMS AND CONDITION :

1. PRICE : Price are Ex-_____
 2. EXCISE : Excise duty inclusive
 3. CST/VAT : CST/VAT will be extra at actual
 4. FREIGHT : Freight will be extra at actual
 5. INSURANCE : Insurance will be extra at actual
 6. DELIVERY : Within a week from the date of receipt of technical and commercial clear order
- THE COMPANY HOLD THE RIGHT TO REVISE THE PRICE WITHOUT PRIOR INTIMATION



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