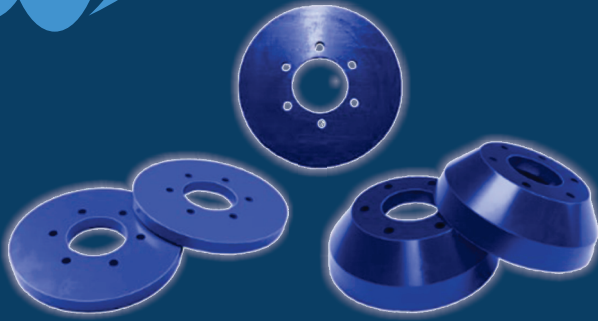




# Athena Urethanes LLP

## PIG IN MOTION



**Manufacturer and  
Supplier of quality  
Pipeline Cleaning  
Solutions**

**MANUFACTURING SUPERIOR PIPELINE CLEANING SOLUTIONS**



### PRODUCTS WE OFFER

- PU CUPS
- PU SEALING DISC
- PU GUIDE DISC
- BIDI PIGS
- BIDI MAGNETIC PIGS
- BRUSH PIGS
- BARE FOAM PIGS HD,MD,LD
- COATED FOAM PIGS

**100% Customer Satisfaction with Quality and Accuracy**



# Athena Urethanes LLP

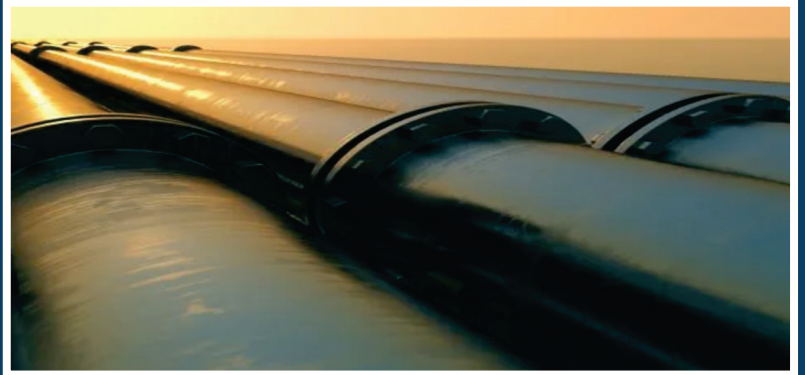
## PIG IN MOTION

### Corporate profile and Vision & Values

Athena Urethanes is promoted by Team with vast experience in the field of Pipeline Pigging. These products are a result of the extensive experience, expertise and knowledge acquired during field runs in the last two decades to ensure that these pigs perform in most challenging pipeline conditions.

Our tagline of 'Pig in Motion' depicts the spirit of design and detailing to ensure that the customers have complete satisfaction from these pigging products.

The design of Pigs was accomplished by closely working with world renowned Chemical suppliers and getting the right mix to ensure the right chemistry. Our team has worked closely with several global pipeline inspection companies to arrive at the right parameters for providing the right Pigging Products.



We are happy to bring our range of high performance pigging products which can meet every need of the pipeline Owners, Operators and Contractors. For your specific needs, our technical team will be happy to provide a solution that meets any of your challenging needs. We plan to bring paradigm shift in the way pigging products are designed, manufactured and run.

#### VISION

To provide world class Pigging Products to meet every need of Pipeline Owners, Operators and Contractors. (By World Class, We mean, best in class design, on time deliveries and always best quality)

#### MISSION (How to get there ... by our 'ACTIONS')

- A Aspire to be the best
- C Customer First
- T Trust | Integrity
- O Open to Learning and Ideas
- N Never-say-No attitude
- S Superior Product

#### VALUES

Integrity / Excellence / Passion /

### OUR VALUES : The hallmark of our approach Complies:

- Honesty.
- We are truthful, trustworthy and sincere in all of our business dealings.
- Integrity towards work.
- We act ethically, impartially and professionally.

**PASSION :** Athena Urethanes is enthusiastic, energetic and willing to do best for all our clients.

**PARTNERSHIP :** Athena Urethanes believes in adding value to our client's business and to maintain long term relationships.

**OUR ASPIRATION :** Be a market leader in the field of Technical Services Provider by providing best services to our clients. Athena Urethanes believes in fulfilling all the requirements of our clients on Timely, Optimally, Economically and Safely.

**OUR MISSION** is to offer integrated, Best Quality Products and services enabling us to become the first choice in industrial Product & Service areas.



# Athena Urethanes LLP

## PIG IN MOTION

### SERVICES WE OFFER

#### PRODUCT RANGE Disc, Brush & Cup



Sealing Disc



Spacer Disc



Guide Disc



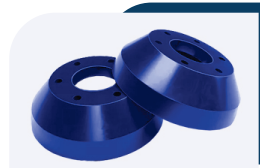
Cutter Disc



Flat wire Brush



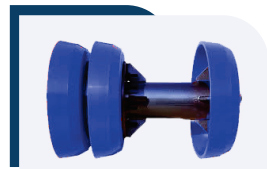
Pit Cleaning Brush



Conical Cups



Bidi Pig



Pig with Conical Cups



Bidi Magnetic Brush Pig



Cleaning Pig



Foam Pig

FOAM PIG			
Density : 80 to 160 Kg/m <sup>3</sup>			
S.No	Characteristics	Unit	Specification
1	Colour & Appearance		White to Yellow Viscous Liquid
	Free rise Density	Kg/cu.m	105-110
	Colour of free rise foam		White to yellow
2	Shore A Hardness		70 (Min)
Density : 40 to 50 Kg/m			
S.No	Characteristics	Unit	Specification
1	Colour & Appearance	---	White Liquid
2	Flash Point at closed cup		> 100° C Estimated
3	Specific Gravity		1.01 to 1.05
4	Viscosity		850-150 mm <sup>2</sup> /s
Density: 16 to 32 Kg / m <sup>3</sup>			
S.No	Characteristics	Unit	Specification
1	Colour & Appearance	---	Colourless Liquid
2	Flash Point at closed cup		> 100° C Estimated
3	Specific Gravity		1.02 to 1.05

PU PROPERTIES		
PROPERTIES	UNIT	Specification
Specific Density	-	1.15
Shore Hardness	Shore A	83 to 87 & 70 to 75
Tensile strength	Psi	5000-7000
100% Modulus	Psi	400-1150
300% Modulus	Psi	500-2150
Elongation (min)	%	750-500
Tear Strength D 470 (min)	Pli	80-150
Resilience (bay Shore Rebound)	%	25-40
Abrasion Resistance	mg	<40mg/1000 Cycle

FOAM PIG DIMENSION		
inch	D (mm)	L (mm)
4	114.30	200
6	168.27	320
8	219.07	420
10	273.05	520
12	323.85	610
14	355.60	700
16	406.40	710
18	457.20	720
20	508.00	790
24	609.60	935
28	711.20	1100
30	762.00	1170
36	914.40	1400
40	1016.00	1554
42	1066.80	1632
48	1219.20	1865

