



SANDHYA FLEX RUBBERS & PVC PRODUCTS

AN ISO:9001:5015 Certified Company

DAM GATE RUBBER SEAL

As per IS:11855 Specification

Make: "SANDHYAFLEX"



Dam Gate Designs Types:

- Radial Gates
- Stop Log Gates
- Spill Way Gates
- Under Sluice Gates
- Automatic Tilting Gates
- Swing Gates
- Draft Tube Gates
- Desilting Service Gates
- Bulk Head Gates
- HR Gates
- Vertical Lift Gates
- Draft Tube Gates

Manufacturer Supplier and Exporter of Rubber and PVC Products.

**ADDRESS: Plot No 5-24-743/1/A, CHANDRAGIRI NAGAR , GAJULARAMARAM , Medchal Dist., 500055 ,
Telangana State, India.**

Mobile No: Mob :9550921831,9392277917,.

Email: sandhyaflex2020@gmail.com,sandhyaflexsales@gmail.com

Website: www.sandhyaflexrubber.com



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DAM GATE RUBBER SEAL

As per IS:11855 Specification

DAM GATE SEAL					Images	
S.No	Type	Description				
1	P	P Type Musical Note Dam Gate Seal				
		A	B	C		
		Dia	Width	Thickness		
		44mm	125mm	14mm		
		44mm	100mm	14mm		
		35mm	100mm	12mm		
		25mm	90mm	10mm		
2	P	P Type Teflon Claded Dam Gate Seal				
		A	B	C		PTFE
		Dia	Width	Thickness		Thickness
		44mm	125mm	14mm		1.5mm
		44mm	100mm	14mm		1.5mm
		35mm	100mm	12mm	1.5mm	
		25mm	90mm	10mm	1.5mm	
3	P	P Type Brass Claded Damp Gate Seal				
		A	B	C		Brass
		Dia	Width	Thickness		Thickness
		44	125mm	14mm		1.5mm
		44mm	100mm	14mm		1.5mm
		35mm	100mm	12mm	1.5mm	
		25mm	90mm	10mm	1.5mm	
4		Duble Steam PTFE Cladded Dam Gate Seal				
		A	B	C		PTFE
		Dia	Width	Thickness		Thickness
		44mm	125mm	14mm		1.5mm
		44mm	100mm	14mm		1.5mm
		35mm	100mm	12mm	1.50mm	
		25mm	90	10	1.5mm	
5	P	P Type Teflon Cladded Dam Gate Seal				
		A	B	C		PTFE
		Dia	Width	Thickness		Thickness
		44mm	125mm	14mm		1.5mm
		44mm	100mm	14mm		1.5mm
		35mm	100mm	12mm	1.5mm	
		25mm	90mm	10mm	1.5mm	
6	P	P Type PTFE Cladded Dam Gate Seal				
		A	B	C		PTFE
		Dia	Width	Thickness		Thickness
		44mm	125mm	14mm		1.5mm

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18	Duble Bulb Dam Gate Seal				
A	B	C	D		
Dia	Width	Thickness	Hollo Dia		
44mm	125mm	14mm	19mm		
44mm	100mm	14mm	19mm		
35mm	100mm	12mm	10mm		

19	Bottom Dam Gate Seal		
A	B		
Width	Thickness		
125mm	14mm		
100mm	14mm		
100mm	12mm		
90mm	10mm		
75mm	10mm		



DamGate Seals

Common sizes and the arrangement of music note seal over the seal base plate. The initial interference note type seal shall vary from 2 to 5 mm depending upon the requirement and type of its installation discretion of the designer.

The music note seal is generally recommended to be used on gates operated for head up to 30 metres. hollow bulb music note seal is recommended for gates operated at low head up to 15 metres.

A solid bulb music note seal is recommended for gates operated at medium head, that is at a head exceeding 15 m but less than 30 m

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Sandhya Enterprises is renowned manufacturer and supplier of various types of Rubber Dam Gate Seals in Hyderabad Telangana, India. These rubber seals are being used in various Irrigation as well as Hydropower projects since many years. Dam gate seals are designed to either retain water, prevent water penetration, or limit contaminated run off in civil engineering a Dam Gate Seals Application:

Quality of Rubber Concept dam gate seals are very well accepted by various Gate Designers, Fabricators as well as Contractors, and been installed by Government and Private agencies. We have supplied numerous dam gate seals for number of dams across India and abroad, for various types of Gate designs such as following and many more.

The inherent elasticity and resilience of Rubber Concept dam gate seals allow it to retain its sealing effectiveness in situations where there are fluctuating movements caused by water pressure, traffic, subsidence or seismic movement.

Dam Gate Seal Types:

Depending on the head pressure, gate designers design gates and based on the design of gates, seals are selected.

1. **Musical Note seal:** Also known as P-type seal or J- type or single stem seal. Generally used in low head gates, can be available with solid as well as hollow bulb. PTFE (Teflon) cladding available
2. **Double Stem seal:** Generally used in high head gates, PTFE (Teflon) cladding available
3. **Z-type rubber seal:** Used in Radial gates, PTFE (Teflon) cladding available
4. **Flat Seal:** Used as bottom seal, wedge or radius options available
5. **Special design seal:** customized rubber seals
6. **Dam gate seal Corners:** factory moulded or fabricated options available

Dam Gate Seal Materials used:

Compounds, based on following elastomers, are used for the manufacturing of Rubber Dam Gate Seals: Natural Rubber (As per IS: 11855 / IS: 15466)

- EPDM Rubber
- PolyChloroprene Rubber / Neoprene Rubber

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Dam Gate Seal Manufacturing:

Sandhya Enterprises produces Dam gate seal by Moulding method, Quality of which is better than extruded seals. Pressurized curing during moulding ensures close dimensional control, superior physical properties, compact microstructures, thus improved durability and functionality. Rubber Dam Gate Seals Images **IS 15466 Certificate**

We can make the parts with good quality and highly appreciated service according to your drawing with dimensions or samples. This all gates seals are manufacturing conforming to **IS: 11855 -1986 or IS: 15466 – 2004 Specificaiton.**

Quality:-

All raw materials such as Carbon Black, Oils, Rubber Chemicals, etc. are checked in house laboratory, by a team of chemist and lab experts for ensuring the quality of incoming materials. All other row and sami finish materials are directly received from Branded Companies like Cabot India / Philips Carbon, HP Oils / IPOL, DuPont, Buyer, Lanxess, Nocil Chemicals.

DAM GATE RUBBER SEAL COMPOUNDS, BASED ON FOLLOWING ELASTOMERS, ARE USED FOR THE MANUFACTURING OF RUBBER DAM GATE SEALS :

- Natural Rubber
- EPDM Rubber
- Poly Chloroprene Rubber
- Neoprene Rubber

MIXING & COMPOUNDING

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In this process we are mixing the supporting ingredient in to the raw rubber to enhance its property. We are always follows the standards in making production. Mixing and Rubber Compounding with a formula to fabricate the desired product or article.

WE FOLLOWS TWO STAGE MIXING PROCESS IN ORDER TO GET THE BEST PROPERTIES OF RUBBER.

- **Stage 1** : carbon black and other non-vulcanizing additives are combined with the raw rubber The term master batch is used for this first stage mixture.
- **Stage 2** : after stage 1 mixing has been completed, and time for cooling has been allowed, stage 2 mixing is carried out in which vulcanizing agents are added

(Dam Gate Rubber Seal Prepared by Extrusion or Molding Methods)

EXTRUSION PROCESS

- Toi Control porosity of seals. (porosity reduces the strength & life of rubber seal.)
- Dimension accuracy (it helps to fit property & hence effects in performance at end)
- Fast production with accuracy (it helps in timely delivery & making the process help free for workers)
- Tensile strength property achievement (due to extrusion of rubber properly & hence increase the most important property of tensile strength.)

VULCANIZING (CURING)

A seal gets once in completely Electrically automatic hydraulic presses. Where temperature ,pressure (5000 psi pressure capacity), Good smooth finishing & time are can be controlled automatically. We are also having alternate method & facility of curing in autoclave by using Steam This curing can be carried as per the technical requirement of product. Production of different Rubber Articles such as Dam gate rubber seal, O-ring, U'ring, V'seal, Rubber Rollers,

Control valve Diaphragm, Pneumatic cylinder Rubber seal kit etc.

- **Finishing** : Cutting and finishing / Trimming of the product
- **Testing** : The Chemical and Physical properties in, government or private sector Laboratory.
- **Inspection** : Inspection specifications Are strictly followed by government norms & requirment. Inspection and quality control department certifies the product.
- **Packing** : All seals of inspection sent to dispatch department. When seals are cleaned again, silicon washing & coating to cover against weather. Packing and necessary labeling for desired destinations.
- **Shipping, Delivery** : Dispatch : via best shipping companies, also on door delivery basis.(as per costumer requirement)

Features:

- *Withstand atmospheric condition*
- *Efficient and long lasting use*
- *Low maintenance*

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As per IS:11855 Specification

TECHNICAL DATA SHEET FOR DAM GATE SEAL

Every batch of mixed rubber undergoes rigorous testing in government or private sector laboratory to ensure that it meets all of the physical requirements before being released to production.

Testing Standard		: IS:11855-1986 Specification.	
S. No	Tests	IS:11855-1986 Specification Clause Number	Permissible Limits as per IS:11855-1986 Specification
1	Physical Properties - Before Ageing		
	Hardness Test	Cl.2.1	60 to 70 Shore A
	Tensile Strength	Cl.2.1	14.5 N/mm ² (Min)

Manufacturer Supplier and Exporter of Rubber and PVC Products.

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Telangana State, India.**

Mobile No: Mob :9550921831,9392277917,.

Email: sandhyaflex2020@gmail.com,sandhyaflexsales@gmail.com

Website: www.sandhyaflexrubber.com



SANDHYA FLEX RUBBERS & PVC PRODUCTS

AN ISO:9001:5015 Certified Company

DAM GATE RUBBER SEAL

As per IS:11855 Specification

	Elongation at Break	CL.2.1	450% (Min)
2	Water Absorption	CL.2.1	10% (max)
3	Polymer Percentage	CL.2.1	70 % (Min)
4	Polymer	CL.2.1	(NR)
5	Physical Properties - After Ageing @ 70°C for 48 Hours		
	Change in Hardness	CL.2.1	+ 20%(Max)
	Change in Tensile Strength %	CL.2.1	- 20 % (Max)
	Change in Elongation at Break in %	CL.2.1	- 20 % (Max)
6	Low Temperature Brittleness for 3Min	CL.2.1	Should No any Defect

SANDHYAFLEX Bulb Seal/ Side Seal	
1	<p><i>Size 25 Dia x 70 x 10mm Bulb Seal</i> <i>Size: Bulb Dia. 33mm X 90mm wide x 10mm thick</i> <i>Bulb seal with 44mm bulb dia X 125mm width</i> <i>BULB DIA 36 X 12 MM TH STEM X 80 MM</i> <i>PTFE / Teflon Coated Bulb Type Rubber Seal</i> <i>44mm Bulb Dia x 14mm Thick x 127mm Width</i></p>
	<p><i>44mm Dia x 14mm Thick x 100mm Width Bulb seal with 44mm bulb dia X 125mm width</i> <i>J/P TYPE SOLID BULB RUBBER SEAL 100 X 80 Dia Bulb X 16 MM,</i> <i>P/J Type Solid Rubber Seal 45x20x150</i> <i>Z Tyoe Seal 130x20</i> <i>45x14x45 Bulb Seal</i> <i>T F Double Bulb Seal 45x20x150mm</i> <i>50mmBulb x 125x20mm</i></p>
SANDHYAFLEX Double Steam Bulb Seal as per IS:11855	
2	<p><i>25mm Bulb x 100x10mm</i> <i>36mm Bulb x 125x12mm</i> <i>44mm Bulb x 150x16mm</i></p>
	<p><i>45mm Bulb x 150x16mm</i> <i>50mm Bulb x 200x20mm</i></p>

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DAM GATE RUBBER SEAL

As per IS:11855 Specification

SANDHYAFLEX Bottom Seal as per IS:11855	
3	<p>10 MM THK X 75 MM WIDE 14mm Thick x85mm Width 20mm Thick x 100mm Width 20mm thick X 125mm width 75mm wide X 16mm thick</p>
	<p>100x10 Bottom Seal 100 x 14 Bottom Seal 110x20 Bottom Seal 70x10 Bottom Seal</p>
SANDHYAFLEX CORNER SEAL as per IS:11855	
4	<p>Bulb x16 MM X 400 X 400 MM 25mmBulb x 250x250mm 36mm Bulb x 300x300mm</p>
	<p>50mm Dia 44mm bulb dia X 125mm width X 300mm long X 12mm thick Corner Seal -45x400x400 50mmBulbx500x500mm</p>

Client List of Dam Gate Rubber Seal

S.No	State	Name of Company Or Costumers
1	Andhra Pradesh	Unisonn Infrastructures
2	Andhra Pradesh	Gas Power Corporation Ltd
3	Nagpur	Paramount Engineering Company
4	KENYA	CENTURY AUTOMOBILES NAIROBI LTD,

BUSINESS POLICY

Inquiry

Quotation

Purchase Order

↓ ↓ ↓ ↓

1. Billing Address. 2. Delivery Address 3. GST No 4. Contact No

Performa Invoice

Manufacturer Supplier and Exporter of Rubber and PVC Products.

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DAM GATE RUBBER SEAL

As per IS:11855 Specification

Advance Payment

Take in Production as per Purchase Order

After Completed Consignment Inform to Client for

Balance Payment

Dispatch the Material

Provide LR Copy

Bank Details	
COMPANY NAME	SANDHYA FLEX RUBBERS & PVC PRODUCTS
Bank	HDFC Bank Ltd
Branch	5-80,HMT Road,Chintal, Jeedimetla,Qutubulapur Mandal Dist. R R ,Hyderabad-500054 Telangana
Account No	50200048046980
IFSC	HDFC0001041
PAN No	AMPPC8374G
GST N0	36AMPPC8374G1ZP

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