



Food Transfer Conveyor PVC PU Belt

Technical Specifications

Conforming BS 2890



Transfer Food-stuffs Toxic-Free !

No es tóxico PVC Correas transportadoras

ذاقة لة أحزمة الة فيذيلك لوريدب ولاءي سامة غير

De non-toxiques Ceintures en PVC convoyeur

HIC
UNIVERSAL
True Performance Rubbers





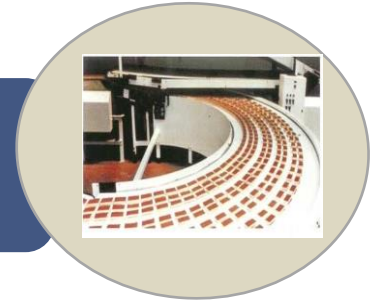
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Specification of PVC and PU Conveyor Belts

Classified under HS Code 3926



HIC Universal PVC Conveyor Belt and PU Belts ensures toxic free transfer of food stuffs and other light materials such as electronic components, etc. manufactured in white food colour food grade, green and black colours in 1ply, 2 ply, 3 ply from 2mm to 6mm thickness for use in transferring industrial light load materials and supersedes FDA, BS 2890, DIN 22102, AS 1332 quality standards.

While Poly Urethane (PU) conveyor belt are 100% safe and non toxic for food contact having much superior mechanical and chemical resistance than PVC belting.

About HIC

HIC International Co Inc, formed in 1988 manufacturing industrial **PVC and steel** products **ISO 9001** certified producer of **Conveyor belt lacing, fastener splicing tool, Power Transmission** belts coupling pulley, **Hydraulic** hose valve, **Safety** rubber sheet mat quality exporters of HIC **Universal brand** to industrial traders distributors of USA, Australia, UAE, Singapore, China, South Africa, UK, Germany, Taiwan having manufacturing factories in Delhi and Ghaziabad UP of India.

Total Quality Management principles are followed and True Performance is thus assured.



Why HIC Universal PVC Conveyor Belts?



Highest Wear Resistance

Non-Toxic Food Grade
Ensures Safe Transfer of Eatables

Smell and Stains Free
Transfer Being Fats Resistant

Light Weight
Helps Easy to Install

Long Life
Reliable Light Materials Conveying Solution

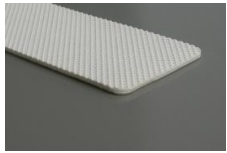
Food products transfer like vegetables, mineral oils, meat, other food-stuffs conveying gets safe to eat using PVC conveyor belts made in India by HIC Universal.

HIC Universal PVC conveyor belt and PU belt are **Original Choice** by **food machinery conveyor belt system** manufacturers in India, China, USA, UK, Germany, Finland, Sweden, New Zealand, Mauritius, Algeria Africa, Fiji, Japan, Singapore, Indonesia, UAE, and other Asian countries.



RANGE of PVC Belts and PU Belting

Light Weight Stuffs Transfer HIC Conveyor



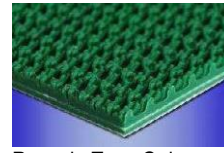
PVC White Top Diamond
Bottom Food Grade Belt



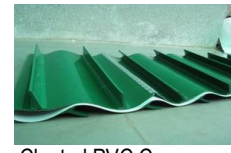
2 Ply PVC Food
Quality Belt



Green PVC Conveyor
Belt



Rough Top Grip
Green PVC Belt



Cleated PVC Conveyor
Belt



PU Belt

- ❖ 2-ply white PVC belt, thickness 2 mm
- ❖ 2-ply white PVC belt, thickness 2.6 mm, **cross-stiff**
- ❖ 2-ply white PVC belt, thickness 3.1 mm, underside negative pyramid profile (NP)
- ❖ 3-ply white PVC belt, thickness 4.2 mm, **cross-stiff**
- ❖ 2-ply blue-green PVC belt, thickness 2 mm, antistatic
- ❖ 2-ply blue-green PVC belt, thickness 2.6 mm, **rigid**, antistatic
- ❖ 2-ply green PVC belt, thickness 2.7 mm, underside negative pyramid profile (NP)
- ❖ 3-ply green PVC belt, thickness 4 mm, **cross-stiff**
- ❖ 3-ply green PVC belt, thickness 4.2 mm, underside negative pyramid profile (NP), **cross-stiff**
- ❖ 2-ply grey PVC belt, thickness 2.7 mm, top grip structure "**minigrip**"
- ❖ 2-ply green PVC belt, thickness 5.4 mm, **top grip** structure
- ❖ 2-ply green PVC belt, thickness 3 mm, top grip structure "**longitudinal ribs**"

Sizes of PVC & PU Conveyor Belt Manufactured by HIC

Belt width sizes 100 mm (= 4 inch) to 2800 mm (= 112 inch)

REGULAR standard conveyor belt widths sizes produced (mm): 600, 750, 900, 1000, 1200, and 1950

Thickness of PVC Belt and PU Belts Produced by HIC Conveyor

PVC-food quality White belts smooth surface finish thickness sizes produced 1.6, 2, 2.7, 3, 5, 6 mm

PVC Green or Black color conveyor nitrile belting thickness sizes produced 1, 2, 3, 3.5, 4, 5 mm



Regular standard pvc-conveyor belting thickness sizes manufactured : 2 mm, 3mm, 5mm

Pebble Top conveyor-belt also being produced.

PVC Belt Bottom Coating Manufactured by HIC Conveyor

[PVC conveyor-belt bottom surface](#) Food quality White or Green- Black color pvc coated having total-belt thickness 3, 5, 6 mm

[Bare Bottom](#) polyester fabric surface PVC-belts having total-belt thickness 1.6, 2, 2.7 mm > bare bottom pvc-belt suggested where no bottom conveyor-roller support is available.

[Rough Grip PVC-belt](#) Top-PVC bottom bare surface having total-belt thickness 5 mm

[Ribbed PVC-belt](#) Top-PVC bottom bare surface having total-belt thickness 3.5 mm

[PU belt FDA quality](#) Top Polyurethane White Gloss bottom bare having total-belt thickness 1.6mm.



Ply Number of Layers in PVC Belts Produced by HIC Universal

Polyester Mono-filament fabric ply layers pvc-belt 1, 2, 3 as per total thickness desired STRAIGHT

Tea, Vegetables, Fruits, Poultry transfer quality White Food pvc-belt plies 2, 3

Sugar, Seafood, Meat transport or conveying use White Food quality pvc-belt plies 3



Die Cutting Sanding Machine Conveyor PVC Belt

Oil and Heat Resistant 100 degree C pvc conveyor belts manufactured in GREEN or BLACK color, used by die cutting parts collection conveyor-system manufacturers and woodworking sanding machine manufacturers.



Food Conveying Dryer Equipment Sugar Fruit PVC Belt

Food Quality PVC non-toxic conveyor belt manufactured conforming FDA WHITE color, used by seafood conveying equipment manufacturers *for fish, meat conveying*.

Also Food Grade *PVC-conveyor belting* used by fruit vegetable dryer belt-conveyor manufacturers *for fruit drier and vegetable washer dryer conveying system*, sugar processing conveyor-system manufacturers *for sugar granulator toxic-free non-smelling sugar transport*.



Biscuit Bread Cooling Conveyor Machine PU Belts Produced by HIC

Bakery Confectionery quality PU conveyor-belt glossy WHITE colour, used by biscuits confectionery cooling conveyor-system manufacturers, for advantageous reason being non-toxic leaving no odour on conveyed foodstuffs.



Inclined Conveying Sidewall Cleats PVC Conveyor Belt

Sidewall fitted PVC conveyor belt having superb mechanical resistance used by material handling equipment manufacturers for easy to install for light material handling in recycling industries, tobacco, Fruits, Vegetables and other food processing.



Standard fitting



Fitting of cleats that connect to the back of the waves



HIC produces various types of cleats or flights that are welded with high performing machines for different conveying applications depending upon the characteristics of the bulk product to be conveyed on inclines or palletized loads in maximum height of 100mm cleats.

Order Quantity Minimums

Open End Meters and Endless Length of HIC PVC conveyor Belts Supplied

PVC conveyor-belt length max single roll up to 300 METERS in open ends, subject to Minimum order quantity of 20 meters (=65 feet) in single specification of belt size.



Packed in rolls or reels with wooden roll inside sea worthy jute hessian or HDPE.

Length of pvc-conveyor belts in Endless cold vulcanized double finger splices joints manufactured with special HIC Universal technical expertise.

Splicing of Finger Overlap Joints

Endless PVC belting manufactured by HIC

PVC conveyor belts are rendered endless with fingers of 20mm width x 50mm long size by simple finger joints (straight through or splice with finger overlap or overlapped step splices).

Also, PVC conveyor belts are supplied with metallic lacing fasteners such as:

- steel fasteners with rivets
- steel fasteners with flat or round wires
- crocodile shaped staple belt fastener system
- plastic fasteners, suitable for metal detectors



Simple Finger Splice



Overlap Finger



Overlapped Step Joint



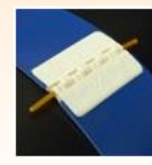
Rivets Fastener



Wire Type Fastener



Staple Fastener



Plastic Fastener



Nomenclature of PU White Conveyor Belt

Tensile Strength and Total Thickness to Support Load: Technical Data

	Units	Data
Technical Characteristics		
Construction		PU + Polyester Mono-Filament fabric
No. of Plies		2
Total Thickness	mm	1.5
Standard Width	mm	1,950
Total Weight	Kg/sq.m	1.56
Tensile Strength	N/mm	120
Load at 1% Elongation	N/mm	6
Temperature Resistance	0	-10 ~ +100(Short time MAX. 150)
Food Suitability		Meet the stipulations of FDA
Top Cover		
Material	-	PU
Color	-	White
Surface	-	Gloss
Hardness	°Shore A	90
Underside Finish		
Material		Polyester Mono-Filament Anti-Static Fabric
Surface		Fabric
Min. Pulley Dia		
Normal Flexing	mm	30
Back Flexing	mm	40



PVC Conveyor Belt Rough Top

Tensile Strength, Total Thickness for Tyre Industry: Technical Specification

	Units	Data
Technical Characteristics		
Construction		PVC + Polyester Mono-Filament fabric
No. of Plies		2
Total Thickness	mm	5.0
Standard Width	mm	2000
Total Weight	Kg/sq.m	5.00
Tensile Strength	N/mm	200
Load at 1% Elongation	N/mm	11
Temperature Resistance	0	-10 ~ +100(Short time MAX. 150)
Food Suitability		NO
Top Cover		
Material	-	PVC
Color	-	Petrol Green
Surface	-	Rough Top
Hardness	°Shore A	90
Underside Finish		
Material		Polyester Mono-Filament Anti-Static Fabric
Surface		Fabric
Min. Pulley Dia		
Normal Flexing	mm	70
Back Flexing	mm	90

ALL VALUE HAS TOLERANCE.

HIC BELIEVE THIS INFORMATION IS THE BEST CURRENTLY AVAILABLE SPECIFICATION AND ABOVE AVERAGE OF OUR TEST RESULT.

HIC MAKE NO GUARANTEE OF RESULTS AND ASSUMES NO OBLIGATION OR LIABILITY WHATSOEVER IN CONNECTION WITH THIS INFORMATION.

PU Tubes PU Round Belts



PU STRAIGHT TUBE 10 BAR

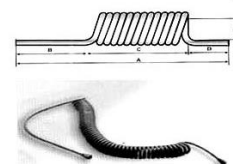


Size	OD x ID	x	Length M
3.17MM	x 2MM	x	200M
4.76MM	x 3.17MM	x	200M
4MM	x 2.5MM	x	200M
5MM	x 3MM	x	200M
6MM	x 4MM	x	200M
¼"	x 3/16"	x	200M
5/16"	x 6	x	100M
8MM	x 5MM	x	100M
8MM	x 6MM	x	100M
9MM	x 6MM	x	100M

Size	OD x ID	x	Length M
9.53MM	x 6.35MM	x	100M
9.5MM	x 6.5MM	x	100M
10MM	x 7MM	x	100M
10MM	x 6.5MM	x	100M
11MM	x 8MM	x	100M
12MM	x 8MM	x	100M
12MM	x 9MM	x	100M
12.5MM	x 9.5MM	x	100M
12.6MM	x 9.6MM	x	100M
16MM	x 11MM	x	100M
16MM	x 12MM	x	100M

PU Spiral Tube 10 BAR

Size ID x OD mm	Total Tube Length m	A mm	B mm	C mm	D mm	E mm	Max Working Pressure Bar/PSI
5.0 x 8.0	2.0	740	500	140	100	42	10/145
5.0 x 8.0	4.0	930	500	330	100	42	10/145
5.0 x 8.0	6.0	1120	500	520	100	42	10/145
5.0 x 8.0	8.0	1300	500	700	100	42	10/145
6.5 x 10.0	2.0	740	500	140	100	52	10/145
6.5 x 10.0	4.0	930	500	330	100	52	10/145
6.5 x 10.0	6.0	1120	500	520	100	52	10/145
6.5 x 10.0	8.0	1310	500	710	100	52	10/145
8.0 x 12.0	2.0	740	500	140	100	65	10/145
8.0 x 12.0	4.0	920	500	320	100	65	10/145
8.0 x 12.0	6.0	1100	500	500	100	65	10/145
8.0 x 12.0	8.0	1280	500	680	100	65	10/145
11.0 x 16.0	2.0	720	500	120	100	108	10/145
11.0 x 16.0	4.0	880	500	280	100	108	10/145
11.0 x 16.0	6.0	1040	500	440	100	108	10/145
11.0 x 16.0	8.0	1210	500	610	100	108	10/145



Physical Properties

Hardness Shore A	98A	ASTM D-2240
Tensile Strength(Kg/cm ²)	600	ASTM D-638
Ultimate Elongation (%)	440-540	ASTM D-638
Taber Abrasion(mg)	30-40	ASTM D-1044
Tear Strength(Kg/cm ²)	165	ASTM D-732
PU Type	Polyester Base	

PU Rough Belt



SPECIFICATIONS		
OD:2mm	x	L:400M
OD:3mm	x	L:400M
OD:4mm	x	L:200M
OD:5mm	x	L:200M
OD:6mm	x	L:200M
OD:7mm	x	L:100M
OD:8mm	x	L:100M
OD:9mm	x	L:100M
OD:10mm	x	L:50M
OD:11mm	x	L:50M
OD:12mm	x	L:50M
OD:13mm	x	L:50M
OD:14mm	x	L:30M

Shore Hardness 'A' Scale ASTM D 2240	Ultimate Tensile Strength PSI ASTM D 412	Elongation % ASTM D 412	Tear Strength PLI ASTM D 412	Compression Set At 25% Deformation %	Table * Abrasion resistance cycles ASTM D 746	Solenoid Brittle Point °c
65+5	5800	520	420	10	49	-95

PU Smooth Belt



SPECIFICATIONS		
OD:2mm	x	L:400M
OD:3mm	x	L:400M
OD:4mm	x	L:200M
OD:5mm	x	L:200M
OD:6mm	x	L:200M
OD:7mm	x	L:100M
OD:8mm	x	L:100M
OD:9mm	x	L:100M
OD:10mm	x	L:50M
OD:12mm	x	L:50M
OD:14mm	x	L:50M
OD:15mm	x	L:50M
OD:16mm	x	L:50M
OD:18mm	x	L:30M

Disclaimer: Information's, written and verbal are provided by HIC, relative to its products which it determines to be reliable & no liabilities of whatsoever nature in regards to its uses. The purchaser of UNIVERSAL brand industrial products should determine for itself the suitability of such products.

Vendor Data: www.hic-india.com | Customers List: www.universaldelhi.org | Catalogue: www.rubber-steel-industrial-products.com

Purchase Enquiry Info

PVC Conveyor Belting and PU Belts Min. *Information to Be Sent*

(Email at: belts@universaldelhi.org ; universal@hic-india.com or Call +91 11 2874 5120)

HIC ships PVC conveyor belting conforming BS 2890 tailor-made to buyer's order specifications to different countries including India. Please send following information in English to quote prices:

1. Belt **Width** mm
2. Thickness mm
3. **Ply**
4. **Bottom** PVC or bare fabric
5. **Colour** - green or black or white x PVC or PU quality
6. **Grade** Food grade FDA or Rough Top surface or non-food oil resistant
7. **Quantity** - Open Ends roll lengths in meter or Endless loop length



Shipment Handling and Delivery Time

Bulk quantity orders are packed in sea-worthy jute or HDPE in Rolls or Bags shipped via sea in less than container loads (LCL) /FCL or by air. Sea freight (BL) or Air freight (AWB) charges payable at destination.

Small orders are shipped overseas via **DHL** or **FedEx** or **Aramex** courier, for which your Authorization Account number be sent to be booked on "Freight To Collect" basis, together with complete acceptable physical address and phone or mobile number.

Domestic orders are dispatched to any destination in **India** by Road Transport, Gati or TCI or ARC or Jaipur Golden on COD basis.

Shipping Time, generally within 3-4 weeks or as stipulated in quote and accepted order.

Organization Structure

Industrial supply manufacturing company having dedicated team of 63 skilled work forces includes Rubber Technologist, Chemists, Engineers and Skilled Labor's, Management Experts viz., Plant Manager, Quality Control Inspector, Lab In charge and I.T specialists. Majority of operations are automatic.

Production Capacity

	Approximate Qty. per annum
1. PVC Conveyor Belts, Sidewall Cleats , Food Grade PVC belts, PU Belting , Rubber Conveyor Belt http://www.rubber-steel-industrial-products.com/conveyor-belts-manufacturer/index.htm	72,000 meters
2. Steel Rivets Fastener, Staple Fastener, Belt lacing fastener, Mechanical Fastener	1,00,000 numbers
3. Conveyor Idlers, Steel Conveyor Rollers http://www.rubber-steel-industrial-products.com/conveyor-rollers-manufacturer/index.htm	60,000 nos.
4. Conveyor Pulleys, Drive Roller Steel	1,200 nos.

Visakhapatnam Steel Plant (721354), NALCO (3072),
Subhash Projects (EM-10,18), Heavy Engg. Corp.(6003),
Bokaro Steel (72621), Salem Steel(000155),
Gujarat State Road(000118), ACC (944),
Army Base(512/ABW-LP/76), NTPC(H8267), etc.

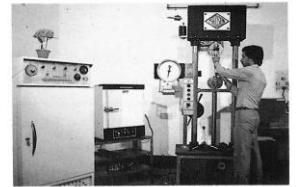
* Price List & terms on specific enquiry please.

Quality Assurance Plan

HIC Conveyor Belts Testing Parameters

Quality PVC conveyor belts manufactured in ISO 9001 certified HIC factories in India with Production Supervisors conducting routine pre-manufacture checks and post-manufacture tests as to:

- 100% Physical checks with respect to dimensions,
- 100% Chemical checks w.r.t. MOC,
- 20% Random physical tests



Tensile Strength & Elongation
Testing Machine

Test Certificate & Warranty

HIC Manufacturer's Lab TC of Conveyor Belt Supplied

Quality PVC conveyor belt conforming BS 2890, DIN 22102, AS 1332- HIC manufacturers in-house modern Test Lab Certificate issued with respect to Tensile strength in N/mm, Elongation % at Load of conveyor belt, besides other tests.

Warranty of one year against any manufacturing defects in HIC manufactured PVC-conveyor belt product.

Third Party Inspections by DNV, RITES, EIL, QSS, SGS, also arranged in HIC's belting factory or by Government Approved Laboratory, Test Certificate issue fee charges directly reimbursed by buyers.

Legalization by Embassy or Chambers of Commerce Attestation of export shipping Invoice and other documents also provided towards export of Indian Origin PVC products if demanded on actual fee remitted by importers directly to HIC and or cost added up in Invoice.

Manufacturing & Testing Equipments



Belt Press

Exporters-Importers of industrial products having latest manufacturing machinery and advanced testing equipments.

Conveyor Products Production Machinery



Belting Calander

Banbury Rubber Mixer, Dispersion Kneader(s), Mixing Mill(s) 2 Roll, Calander Machine (3Roll), Jointing Machine, Rubber Bale Cutter, Hydraulic Presses (2 daylight), Hydraulic Press (single daylight), Hydraulic Finishing Press, Belt Endlessing M.C.(Vulcaniser), Sundry Machines viz. Lathes, Shaper, Generator sets, Hydraulic Jacks, etc.

Rubber Products Quality Testing Apparatus as per ISO :



Manufacturing Hydraulic Press

B.O.D. Incubator (seasoning chamber), Hot Air Ageing Oven, Physical Balance, Tensile Testing Machines, Abrasion Tester(as per DIN), Drum Friction Tester (as per Canadian stds), Scott Flex Tester (as per railways), Dumbbell Dies, Yarn Testing Machine, etc. **Calibrated** periodically. Indigenous technology with latest technical Indian knows how, however, no collaboration made so far.

Quality Control

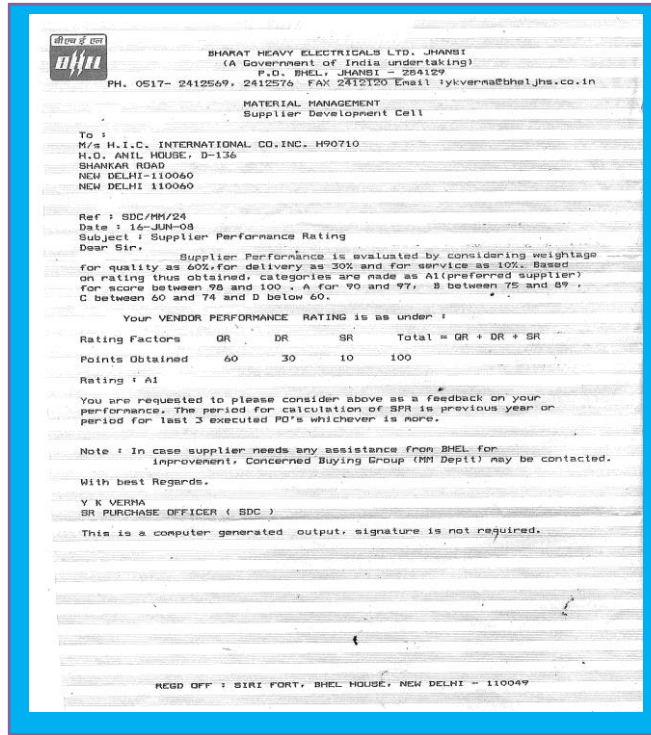
It is in between process checks that are strongly checked & lodged in register to ensure finished rubber product meeting quality standards.

Test Certificate (TC) of our Lab, wherever, applicable, is **forwarded** along with the supply.

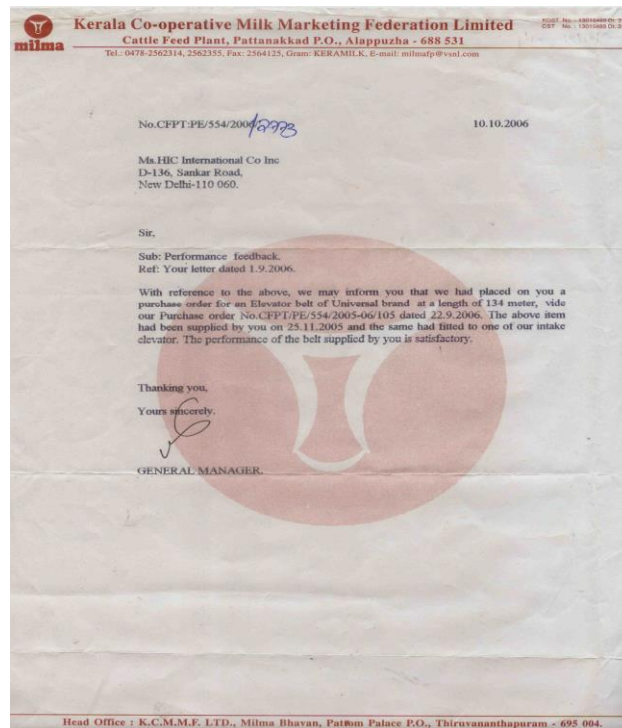
Performance Certificates



Export Excellence Award
during Feb 1997



ISO Certificate



Many more certificates available as feedbacks are constantly monitored for providing highest customer's satisfaction.

Total Quality Management Principles Followed



Non-Toxic.

Fats-Resistant

Light Weight

PVC Conveyor Belts

TRUSTED BY MACHINERY OEMs OF TOBACCO, FOOD PROCESSING, ELECTRONICS, RECYCLING SINCE 1988

www.foodconveyorbelts.com | www.conveyorskirt.com | www.pvcbeltjointingmachine.com | www.processingbelt.com | www.hicconveyorbelts.com

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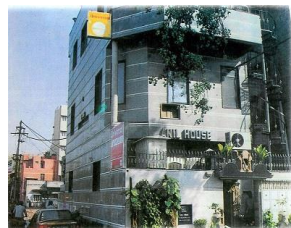
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HIC India Headquarters

Vendor Data: www.hic-india.com | **Customers List:** www.universaldelhi.org | **Catalogue:** www.rubber-steel-industrial-products.com

