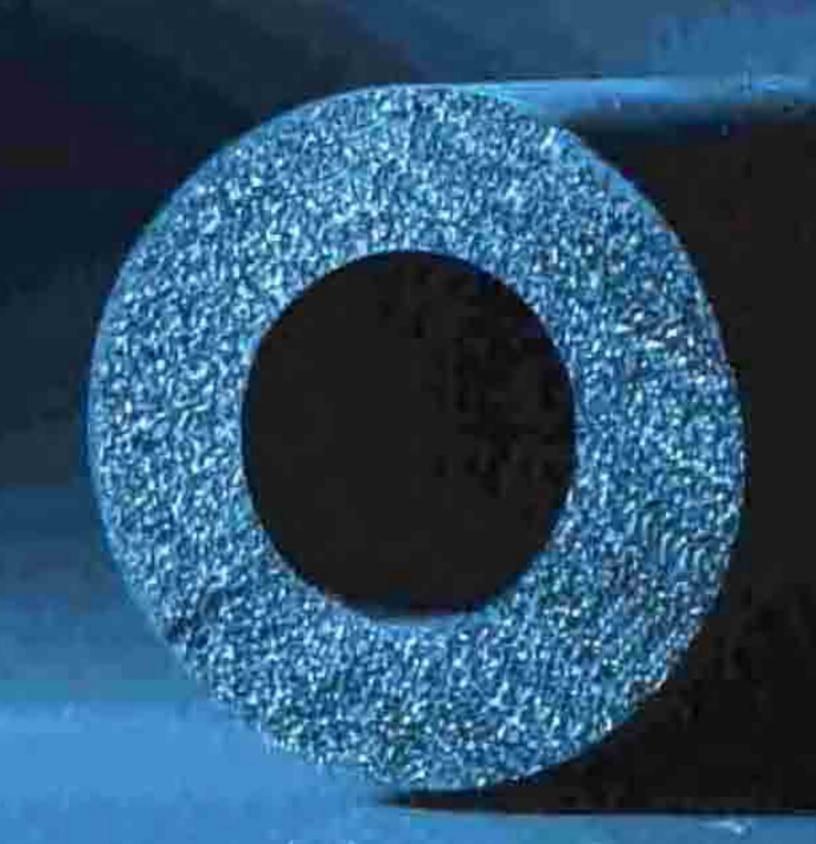


Durkflex®

HIGH QUALITY ELASTOMERIC THERMAL INSULATION











2009

Durkflex® Main Application



For refrigerant medium system

Durkflex is flexible, and easy installation with copper tube for the refrigerant medium system in A/C machine.



For air duct system

Compling with several strict international fire safety standards, such as BS, ASTM, FM, KS, AS, GB, DIN, Durkflex is widely usded in many prominent building projects throughout the world, especially for the metal air duct system.



For chilled water system

With outstanding thermal insulating performance, Durkflex is one of the excellent insulation products of your choice. Top quality Durkflex enhances your A/C system with more energy-saving, environmentally friendly, and most importantly avoidance of condensation.



For condensed water system

As an essential part in the central A/C system, condensed water pipe system can also benefit from Durkflex. High quality Durkflex can prevent condensation formation, and protect the building structure and ceiling tiles.



For hot water piping system

Durkflex installed on hot water system, generates lower heat loss and energy saving. In addition, flexible Durkflex makes the installation on solar / hot water system more convenient and economical.



Thickness Recommendation (For condensation control)

Pipe Size	Line Temp.	Line Temp.	Line Temp.	Line Temp.	
	10℃ 50°F	2℃ 35°F	-18°C 0°F	-29℃ -20°F	
Mild Conditions Max 27°C (80°F) ar	nd 50% RH. Typical mild	conditions are most air con	ditioned spaces and arid cli	lmates.	
3/8[] thru 2-5/8" ID (10-65mm)	10mm (3/8")	10mm (3/8")	13mm (1/2")	19mm (3/4")	
Over 2-5/8" ID (>65mm)	13mm (1/2")	13mm (1/2")	13mm (1/2")	19mm (3/4")	
Normal Conditions Max 29°C (85°F) o	and 70% RH.				
3/8" thru 1-1/8"ID (10-28mm)	10mm (3/8")	13mm (1/2")	19mm (3/4")	25mm (1")	
1-1/8" thru 2-1/8" ID (28-54mm)	10mm (3/8")	13mm (1/2")	25mm (1")	25mm (1")	
2-1/8" thru 2-5/8" ID (54-65mm)	10mm (3/8")	13mm (1/2")	25mm (1")	32mm (1-1/4")	
Over 2-5/8" ID (>65mm)	13mm (1/2")	19mm (3/4")	25mm (1")	32mm (1-1/4")	
Severe Conditions Max 32°C (90°F) o	and 80% RH.				
3/8" thru 1-5/8" ID (10-40mm)	19mm (3/4")	25mm (1")	38mm (1-1/2")	38mm (1-1/2")	
1-5/8" thru 3-5/8" ID (40-90mm)	19mm (3/4")	25mm (1")	38mm (1-1/2")	44mm (1-3/4")	
Over 3-5/8" ID (>90mm)	19mm (3/4")	25mm (1")	38mm (1-1/2")	50mm (2")	

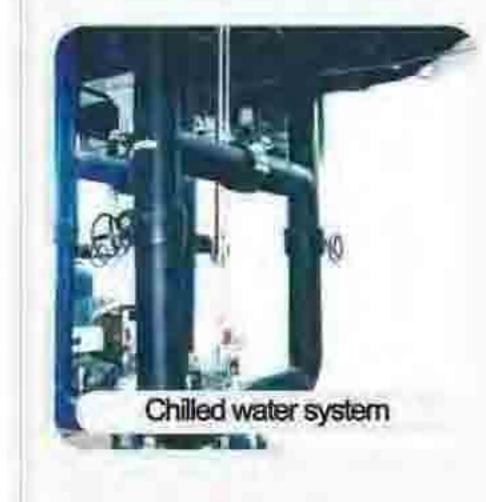
We Under conditions of high humidity, additional thickness of insulation may be required.

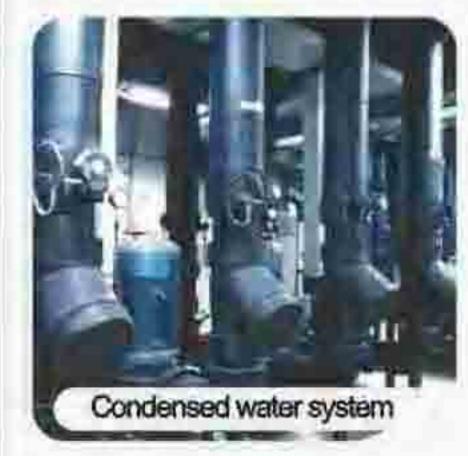
^{*} Thicknesses greater than 25mm (1") are sleeved or multiple layered applications.















Fire Safety

Durkflex is specially designed to meet the GB 8624-1997,BS 476 Class 0 /Class 1, ASTM E84 25/50, FM testings. It does not melt nor drip flaming balls when burning, therefore does not cause fire transfer. Low smoke density makes it a safer option.



Easy Installation

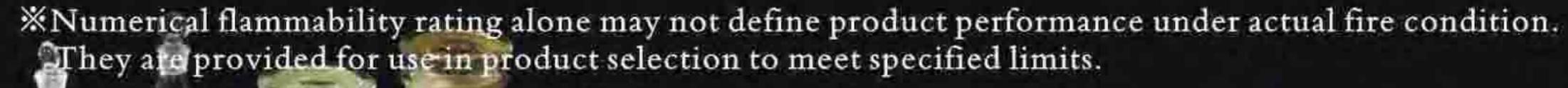
The smooth surface and flexibility of Durkflex enables quick and easy installation on any application, even the irregular pipelines and equipment. Durkflex also offers a very appealing and clean appearance.



Environmentally Friendly & Improved IAQ

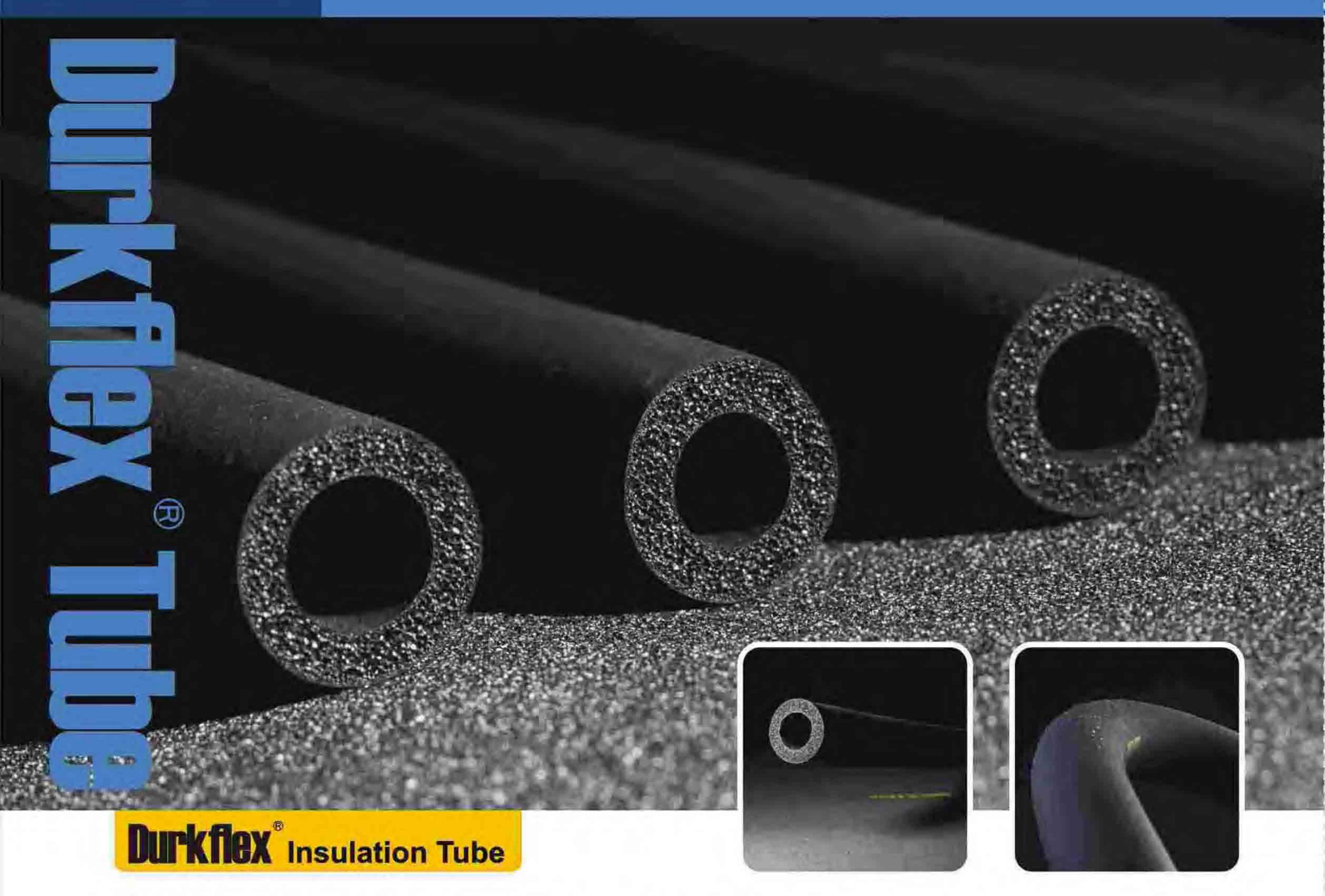
Durkflex is CFC/HCFC free, non-porous, fiber free, dust free and resistant to mold and fungi growth. It greatly improves indoor air quality of air condition system without causing skin irritations and health hazard.

Physical Properties	Unit	Data	Test Methods
Thermal Conductivity -20℃ 0℃ 40℃	W/m*K (BTU*in/hr*ft²)	0.031 (0.225) 0.034 (0.240) 0.038 (0.260)	ASTM C518 / C177
Water Vapor Permeability Moisture Resistance Factor Water Absorption (by volume)	Kg/S*m*Pa %	1.16 × 10 ⁻¹⁸ µ ≥ 7300 ≤0.2	ASTM E96
Fire safety and Smoke developed*		25/50 Class 1 / Class 0 FM Approved	ASTM E84 / ULC S102 BS 476 Part 7 FM UBC 26-3 / 4924/ 4880
Density	Kg/m³ (lbs/ft³)	50-70 (3.125-4.375)	ASTM D1667
Mold Resistance		Good	UL181
Fungi Resistance		Good	ASTM G21
UV & Weather Resistance		Good	ASTM G23
Ozone Resistance		Good	
Dimensional Stability	%	0 to 7%	ASTM C534
Temperature Range	°C (°F)	-50-110 (-58-230)	









Durkflex Insulation Tube (Length: 6 feet/piece OR 2 m/piece)

D Size IPS ID 3/8"(9mm)wall)wall	1/2"(13mm)wall		3/4"(19mm)wall		1 (25mm) wall		1 1/4" (32mm) wall			
inch	Inch	mm	Code No.	pcs/ctn	Code No.	pcs/ctn.	Code No.	pcs/ctn.	Code No.	pcs/ctn.	Code No	pcs/ctr
1/4"		6	09006	150	13006	90	19006	50				
3/8"	1/8"	9	09009	130	13009	85	19009	45				
1/2"	1/4"	13	09013	110	13013	70	19013	40				
5/8"	3/8"	16	09016	90	13016	65	19016	35	25016	24	32016	20
3/4"		19	09019	80	13019	55	19019	32	25019	22	32019	18
7/8"	1/2"	22	09022	70	13022	50	19022	30	25022	20	32022	17
1"		25	09025	60	13025	45	19025	27	25025	18	32025	16
1 1/8"	3/4"	28	09028	55	13028	38	19028	24	25028	18	32028	15
1 1/4"		32	09032	45	13032	35	19032	22	25032	16	32032	14
13/8"	1"	35	09035	40	13035	33	19035	20	25035	15	32035	12
1 1/2"		38	09038	36	13038	31	19038	18	25038	13	32038	11
15/8"	1 1/4"	42	09042	35	13042	30	19042	18	25042	13	32042	11
17/8"	1 1/2"	48	09048	30	13048	24	19048	14	25048	11	32048	9
2 1/8"		54	09054	24	13054	20	19054	12	25054	10	32054	8
2 1/4		57			13057	18	19057	11	25057	10	32057	8
2 3/8"	2"	60			13060	16	19060	10	25060	9	32060	7
2 5/8"		67			13067	12	19067	9	25067	9	32067	7
3"	21/2"	76					19076	8	25076	7	32076	6
3 1/2"	3"	89					19089	6	25089	5	32089	5

Note: 1, Other specification can be made according to customer's requirement. 2, Carton size for 2m tube is 81"(2.05m) x 17"(0.42m) x 13"(0.32m), carton size for 6 feet tube is 75"(1.88m) x 17"(0.42m) x 13"(0.32m). 3, According to the BS 476 standard, Class o and Class 1 Durkflex can both be provided.



Durkflex Insulation Sheet

Durkflex Standard Sheet Roll Insulation Size:width-1.0m

Thickness	1/4" (6mm)	3/8" (9mm)	1/2"(13mm)	3/4"(19mm)	1" (25mm)	1 1/4 (32mm)
Model	R06100	R09100	R13100	R19100	R25100	R32100
Length(m/ctn)	20	15	10	5	4	3

Note: 1. 1/4 thick sheet has skin on one side.

- The length of roll sheet can be produced based on availability and customer's requirement, the width can be 0.8m / 0.9m / 1.0m / 1.2m / 1.4m.
- 3. The carton box for the roll sheet (1.0m width) is 41" $(1.05m) \times 17$ " $(0.42m) \times 17$ " (0.

Durkflex Standard Flat Sheet Insulation Size:4feet x3feet

Thickness	1/4"(6mm)	3/8" (9mm)	1/2"(13mm)	3/4"(19mm)	1" (25mm)	1 1/4" (32mm)
Model	S06	S09	S13	S19	S25	S32
Length(m/ctn)	20	15	10	5	4	3

Note: 1. 1/4 thick sheet has skin on one side.

2. The carton box for the flat sheet is 50" (1.27m)x 39"(1m)x6"(0.15m).







Paper Carton Box

Extra strength cartons can stack up to 10 layers. Provides protection and support for container shipment and warehouse storage.



Durktape Bl

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50mm 3	am	3mm	3	5

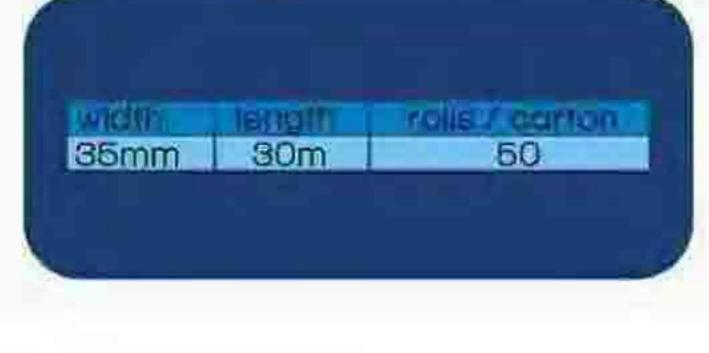


Plastic Bag

industrial strength plastic bag, more compact and convenient.



volume / car cans / carten



Durktape JF

