

# 1 PIPE

**LOGIFORM PIPE** is steel pipe with a synthetic plastic resin coated outer surface.
















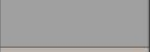
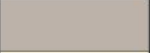
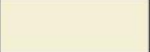



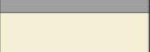
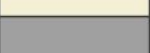




**LOGIFORM PIPE** 는 표면에 합성 플라스틱을 피복한 스틸파이프입니다.

- Highly resistant heat level : Up to max. 100 degrees Celsius / 우수한 내열성 (100℃ 까지 사용 가능, 제한적)
- Highly durable under the oily work environment / 우수한 내유성
- Relatively better chemical resistance / 화학적 안정성
- Less amount of the poisonous substance emitted from the use of the Synthetic resin / 무독성

## ◆ PIPE STRUCTURE 파이프 구조



## LOGIFORM PIPE STANDARD COLOR

STANDARD PRODUCTION LINE-UP									
DESCRIPTION	COLOR			THICKNESS					
				t0.7	t0.9	t1.0	t1.1	t1.4	t2.0
LOGIFORM PIPE	DARK BLUE	DB		●	●	●		●	●
	BLUE	BL		●	●	●		●	●
	SKY BLUE	SB		●	●	●		●	●
	DARK GREEN	DN		●	●	●		●	●
	GREEN	GN		●	●	●		●	●
	BROWN	BR		●	●	●		●	●
	PINK	PK		●	●	●		●	●
	RED	RD		●	●	●		●	●
	ORANGE	OR		●	●	●		●	●
	DARK YELLOW	DY		●	●	●		●	●
	YELLOW	YL		●	●	●		●	●
	BLACK	BK		●	●	●		●	●
	DEEP GRAY	EG		●	●	●		●	●
	DARK GRAY	DG		●	●	●		●	●
	GRAY	GR		●	●	●		●	●
	LIGHT GRAY	LG		●	●	●		●	●
	IVORY	IV		●	●	●		●	●
	WHITE	WH		●	●	●		●	●
CONDUCTIVE PIPE	BLACK	BK		●	●	●		●	●
ANTISTATIC PIPE	GRAY	GR		●	●	●		●	●
	IVORY	IV		●	●	●		●	●
SLIDE PIPE	GRAY	GR		●	●	●		●	●
	IVORY	IV		●	●	●		●	●
	WHITE	WH		●	●	●		●	●
PEARL PIPE	GOLD	GD		●	●	●		●	●
	SILVER	SV		●	●	●		●	●
STAINLESS PIPE	200			●	●		●		
	300			●	●		●		
	400			●	●		●		
ALUMINUM PIPE	SILVER			t1.2	t1.5	t2.0	t2.8		

※ Color / Quantity / Lead time / Stock / etc. must be discussed prior to purchase

※ For any other inquiry, please contact us at [hbl@hbjoint.com](mailto:hbl@hbjoint.com)

## COMPARISON TABLE OF LOGIFORM PIPE Vs. ABS COATED PIPE

CHEMICALS (약품명)	RESULT (결과)	
	Q-PIPE	ABS
WD-20 (방청유)	△	△
Sodium chloride (땀)	○	×
Break oil	○	×
UV (자외선)	△	△
Cutting oil (절삭유)	○	×
Table ware cleaser (식기용)	○	△
Washable cleaser (세탁용)	○	○
Toilet cleaser (화장실용)	○	○
M.E.K	△	×
Ethylene glycol (부동액)	○	○
Missoin oil (기어유)	○	×
Toluene	○	×

CHEMICALS (약품명)	RESULT (결과)	
	Q-PIPE	ABS
Malic acid (10%), (사과산)	○	○
Menthol (소독약)	○	△
Mercury (수은)	○	○
Mercury chloride (염화수은)	○	○
Mesityl oxide (불포화케톤)	△	×
Methanol (유기알콜)	○	△
Methylene chloride (M.C)	△	×
Thynner (신너)	○	×
Acetone (리무버)	○	×
Paint	○	×
Animal fat oil (동물성기름)	○	△
Vegetable oil (식물성기름)	○	○

※ ○ = PASS, △ = ACCEPTABLE, × = FAIL

- ○ = Negative - High Chemical Resistance (변화없음 - 내화학성 강함)
- △ = Partially affected but usable - Limiting Chemical Resistance (부분적으로 변화는 있으나 사용가능 - 제한적 내화학성)
- × = ABS resin melted or crack occurred - No chemical resistance (Coating층이 녹거나 Crack발생 - 내화학성 없음)

① Type of test : Spread and submerge (테스트 방법 : 침전반응 방식)

② Test cycle : Min. 30days (테스트 기간 : 30일 이상)

③ Temperature : 20~30 degrees Celsius (사용 온도에 따라 화학성은 상이함, 통상온도 조건 테스트 시행 20~30℃)

## PIPE CHARACTERISTICS

### ESD PIPE ⚡



**ANTISTATIC PIPE 대전방지**

- Surface Resistance (표면저항)  
-  $10^8 \Omega \sim 10^{10} \Omega$
- Color Option  
- Gray / Ivory



**CONDUCTIVE PIPE 도전성**

- Surface Resistance (표면저항)  
-  $10^3 \Omega \sim 10^6 \Omega$
- Color Option  
- Black

### STAINLESS PIPE ⚡ 통전



· Easy to clean  
- 고광택, 먼지 미흡착



· Highly resistant against oil and chemical substances  
- 내약품성 내식성임

※ Stainless pipes of the grades other than 304 may be vulnerable to rust

※ 304 등급 이외의 스테인리스 파이프는 녹에 취약할 수 있음



## PIPE

## LOGIFORM PIPE

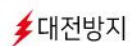
STEEL



CODE	THICKNESS	LENGTH	WEIGHT (1M)
LP-1070	Ø28 × t 0.7	4M	517g/m
LP-1090	Ø28 × t 0.9	4M	620g/m
LP-1100	Ø28 × t 1.0	4M	676g/m
LP-1140	Ø28 × t 1.4	4M	930g/m
LP-1200	Ø28 × t 2	4M	1,265g/m

## ANTISTATIC PIPE

STEEL



대전방지  
Surface Resistance  
 $10^8 \Omega \sim 10^{10} \Omega$



CODE	THICKNESS	LENGTH	WEIGHT (1M)
AP-1070	Ø28 × t 0.7	4M	517g/m
AP-1090	Ø28 × t 0.9	4M	620g/m
AP-1100	Ø28 × t 1.0	4M	676g/m
AP-1140	Ø28 × t 1.4	4M	930g/m
AP-1200	Ø28 × t 2	4M	1,265g/m

## STAINLESS PIPE

STAINLESS



Grade classification  
200/300/400



CODE	THICKNESS	LENGTH	WEIGHT (1M)
ST-1070	Ø28 × t 0.7	4M	448g/m
ST-1090	Ø28 × t 0.9	4M	570g/m
ST-1100	Ø28 × t 1.0	4M	635g/m
ST-1110	Ø28 × t 1.1	4M	708g/m
ST-1120	Ø28 × t 1.2	4M	821g/m

## CONDUCTIVE PIPE

STEEL



도전성  
Surface Resistance  
 $10^3 \sim 10^6 \Omega$



CODE	THICKNESS	LENGTH	WEIGHT (1M)
CP-1070	Ø28 × t 0.7	4M	517g/m
CP-1090	Ø28 × t 0.9	4M	620g/m
CP-1100	Ø28 × t 1.0	4M	676g/m
CP-1140	Ø28 × t 1.4	4M	930g/m
CP-1200	Ø28 × t 2	4M	1,265g/m

## SLIDE PIPE

STEEL



CODE	THICKNESS	LENGTH	WEIGHT (1M)
SL-1070	Ø28 × t 0.7	4M	608g/m
SL-1090	Ø28 × t 0.9	4M	715g/m
SL-1100	Ø28 × t 1.0	4M	767g/m
SL-1140	Ø28 × t 1.4	4M	1,021g/m
SL-1200	Ø28 × t 2	4M	1,356g/m

## ALUMINUM PIPE

ALUMINUM



NO	CODE	THICKNESS	LENGTH	WEIGHT (1M)
①	ASP-1120	Ø28 × t 1.2	4M	347g/m
②	ASP-1200	Ø28 × t 2.0	4M	415g/m
③	ASP-1280	Ø28 × t 2.8	4M	476g/m
④	ACP-1120L	Ø28 × t 1.2	4M	720g/m
⑤	AJ-3143	Ø28 × t 1.5	4M	468g/m