

Source Int'l, LP Manufacturing Cost Drivers Report

July, 2016

CATEGORY	MATERIAL OR TYPE	1 MONTH CHANGE		3 MONTH CHANGE		6 MONTH CHANGE		12 MOI CHAN	
COMMODITY PRICES			1	1	1	ı	ı	ı	
GENERAL PLASTICS	General Purpose PP (K8303)	-4.85%	•	-2.00%	•	24.84%	A	-3.92%	•
	Food Grade PP	-4.55%	▼	-4.55%	•	-4.98%	▼	-19.23%	•
	General Purpose PS (GPPS/688B)	0.00%	=	0.93%	A	22.47%	A	9.00%	A
	High Impact PS (Chi Mei PH88)	0.00%	=	0.99%	A	14.61%	A	-7.27%	•
	PE Injection (LD400/Injection)	-1.00%	▼	0.00%	=	-1.00%	•	-3.88%	•
	HDPE	0.00%	=	-2.75%	▼	0.00%	=	-6.19%	•
	PET	-0.38%	▼	3.60%	A	-0.38%	•	3.60%	A
	PVC (S700)	2.68%	A	3.23%	A	6.48%	A	1.77%	A
ENGINEER PLASTICS	ABS (AC-800)	0.00%	=	0.00%	=	0.00%	=	0.00%	=
	Nylon (PA66)	0.00%	=	-1.89%	•	-5.45%	▼	-9.72%	•
	POM (FM090500P)	0.00%	=	0.00%	=	0.00%	=	0.00%	=
	PC (L-1250Y)	0.00%	=	-1.72%	▼	-5.00%	▼	-4.50%	•
	PA6 (1013B)	0.00%	=	-13.69%	•	-24.87%	▼	-39.08%	•
	Rubber Blanket	1.18%	A	-4-97%	▼	1.18%	A	-10.42%	▼
	Synthetic Rubber	4.85%	A	-6.09%	▼	35.00%	A	-7.69%	•
	Tire Rubber (SCR5)	0.00%	=	-9.62%	▼	2.86%	A	-27.03%	▼
RUBBER	Latex	-2.81%	▼	-12.00%	•	-21.94%	▼	-36.81%	•
	NBR	0.00%	=	-3.77%	•	-3.77%	▼	-8.93%	•
	CR	0.00%	=	0.85%	A	1.14%	A	0.85%	A
	EPDM	0.00%	=	-3.23%	▼	-18.03%	▼	-19.79%	•
	Cold Roll Steel Sheet (1mm*1250*2500/ST12)	8.07%	A	-16.76%	▼	12.00%	A	3.36%	A
	Cold Rolled Steel Plate-Commercial	2.67%	A	-16.76%	▼	8.07%	A .	-13.24%	•
	Cold Roll Steel Tube (22*1.5)	3.85%	A	-18.92%	•	20.54%	A	-6.90%	•
STEEL & IRON	Hot Roll Steel Sheet (3mm*1250*C/Q235)	-9.18%	▼	-9.48%	•	28.24%	A	24.22%	A
	Hot Rolled Steel Plate-Commercial	3.77%	A	-17.17%	•	15.06%	A	5.36%	A
	Hot Roll Steel Tube (22*1.5)	8.47%	A	-8.57%	•	14.29%	A	1.59%	A
	Steel Wire (D6.5~10/Q235)	-9.18%	▼	-9.48%	▼	28.24%	A	38.50%	A
	Pig Iron	6.90%	A	6.90%	A	0.00%	=	-17.11%	•
STAINLESS STEEL	Stainless Steel Sheet (201)	-1.94%	•	-6.75%	•	11.76%	A	2.01%	A
	Stainless Steel Sheet (304)	1.89%	A	-3.93%	•	12.08%	A	-1.82%	•
	Stainless Steel Tube (304) Frosted (φ76*4-6)	-0.61%	•	-0.91%	•	-0.12%	•	-3.53%	•
	Stainless Steel Sheet (410)	0.00%	=	1.39%	A	2.82%	A	1.39%	A
	Stainless Steel Sheet (420)	0.00%	=	-1.12%	•	6.63%	A	-1.67%	•
	Stainless Steel Sheet (430)	0.00%	=	-1.41%	•	4.48%	A	-5.41%	•
ALUMINUM	Aluminum Ingots (Aoo)	-0.31%	•	0.00%	Ш	22.88%	A	8.66%	A
	Aluminum 1060 (1000*2000*5)	-0.27%	•	-0.40%	•	13.88%	A	4.01%	A
	Aluminum 3003 (1000*2000*5)	-0.24%	•	-0.36%	•	13.39%	A	3.52%	A
	Aluminum 6061 (φ178)	-0.21%	•	-0.31%	•	11.33%	A	38.93%	A
	ADC12	-2.36%	•	-1.37%	•	3.21%	A	-3.02%	•
	A380	-2.19%	•	-1.26%	•	2.96%	A	-2.80%	•
OTHER METALS	Zinc Alloy (#3)	4.54%	A	12.01%	A	29.19%	A	12.84%	A
	Brass Tube (H62 φ8-9omm)	0.65%	A	0.00%	=	1.70%	A	-8.46%	•
	Brass Rod (H59 ⊄ 6-55mm)	0.69%	A	-0.34%	•	0.34%	A	-9.83%	•
	Copper (#1)	1.14%	A	1.69%	A	7.29%	A	-2.39%	•
	Nickel (#1)	10.14%	A	11.05%	A	17.54%	A	-1.11%	•
wood	MDF*1220*2440*8mm	0.00%	=	0.00%	=	0.00%	=	0.00%	=
	Fir	0.00%	=	0.00%	=	0.00%	=	-3.74%	•
	White Oak	0.00%	=	0.00%	=	0.00%	=	-1.07%	•
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CATEGORY	MATERIAL OR TYPE	1 MONTH CHANGE		3 MONTH CHANGE		6 MONTH CHANGE		12 MONTH CHANGE		
	Pine	0.00%	=	0.00%	=	0.00%	=	-2.06%	•	
PAPER	Kraft (80g)	0.00%	=	0.00%	=	0.00%	=	-4.76%	•	
	Corrugated (140g A Grade)	0.00%	=	0.00%	=	0.70%	A	0.70%	A	
	White Cardboard (250g)	0.00%	=	0.00%	=	0.00%	=	-1.61%	•	
	Gray Cardbord (250g)	0.00%	=	0.00%	=	0.00%	=	-2.13%	•	
	Art Paper (157g)	0.00%	=	0.00%	=	0.00%	=	-1.82%	▼	
TEXTILE FABRICS	Cotton (129)	16.94%	A	22.65%	A	20.49%	A	13.25%	A	
	100% Cotton Fabric	0.24%	A	0.24%	A	0.24%	A	0.24%	A	
	100% Polyester Fabric	4.17%	A	-2.60%	▼	-28.57%	•	-32.74%	•	
	T/C Fabric	1.67%	A	1.67%	A	1.67%	A	1.67%	A	
	Non-woven PP Fabric	4.76%	A	4.76%	A	4.76%	A	4.76%	A	
	Feldspar	0.00%	=	0.00%	=	0.00%	=	-6.67%	•	
	Kaolin	0.00%	=	0.00%	=	0.00%	=	-4.88%	▼	
CERAMICS	Quartz	0.00%	=	0.00%	=	0.00%	=	5.56%	A	
	Alumina	0.00%	=	-4.98%	▼	13.69%	A	-19.75%	▼	
	China Labor	1.18%	A	2.51%	A	2.51%	A	2.51%	A	
LABOR RATES	Bangladesh Labor	0.00%	=	0.00%	=	0.00%	=	0.00%	=	
	Thailand Labor	0.00%	=	0.00%	=	0.00%	=	0.00%	=	
	China Petroleum Price	-7.14%	•	-11.86%	V	-21.69%	•	-28.18%	•	
FUEL & POWER	China Diesel Oil	-2.00%	▼	-4.85%	V	-9.26%	V	-3.92%	•	
	Natural Gas	-7.41%	V	-12.28%	V	-21.38%	V	-25.37%	V	
	LPG Gas	-7.41%	▼	-8.42%	V	-24.24%	V	-25.37%	V	
OCEAN FREIGHT	Shanghai/Ningbo/Xiamen to Chicago-40'	0.00%	=	0.00%	=	-6.45%	V	-21.80%	•	
	Shanghai/Ningbo/Xiamen to Long Beach-40'	0.00%	=	0.00%	=	-14.23%	V	-42.61%	▼	
CURRENCY EXCHANGE RATES	USD-CNY (China RMB)	-0.14%	A	2.56%	V	0.95%	V	6.94%	_	
	USD-BDT (Bangladesh Taka)	-0.10%	A	-0.10%	A	-0.90%	A	0.56%	•	
	USD-INR (India Rupees)	-1.23%	A	0.40%	V	-1.77%	A	4.40%	•	
	USD-TWD (Taiwan New Dollars)	-0.93%	A	-1.09%	A	-4.59%	A	1.13%	•	
	USD-THB (Thailand Baht)	-1.07%	A	-0.39%	A	-2.51%	A	-0.41%	A	
	USD-VND (Vietnam Dong)	0.60%	•	0.62%	V	0.87%	•	2.77%	•	
	EUR-CNY	0.73%	•	0.07%	V	4.14%	•	8.31%	•	
KEY INDEXES	-			I .		l.				
PURCHASING MANAGERS INDEX (PMI)-Manufacturing		JULY, 2	JULY, 2016		JUNE, 2016		1 MONTH CHANGE		12 MONTH CHANGE	
CHINA	(CFLP) China Fed of Logistics & Purchasing	49.9	49.9		50.0		-0.20%		-0.20%	
CHINA	(HSBC) Hongkong / Caixin/Markit China Manufacturing	50.6	50.6		48.6		4.12%		5.86%	
USA	(ISM) Institute of Supply Maangement	52.6		53.2		-1.13%		-0.19%		
CHINA TRADE, MANUFACTURING & CONSUMER DATA * Data Lags One Month		JUNE,	JUNE, 2016		MAY, 2016		1 MONTH CHANGE		12 MONTH CHANGE	
mports			132.3		131.1		0.9%		-9.0%	
Exports		180.4		181.1		-0.4%		-6.0%		
China Producer Price Index (PPI)		97.4		97.2		0.2%		2.3%		
China Consumer Price Index (CPI)		101.9		102.0		-0.1%		0.5%		

 ${\tt Data\ from:}\ \underline{www.chinaccm.com}, \underline{www.xe.com}\ {\tt and}\ \underline{other\ public\ and\ private\ sources}$

▼---Favorable Trend ▲---Unfavorable Trend