Global Nylon Fibers & Feedstocks Weekly Update

03 March 2017 | Issue 312

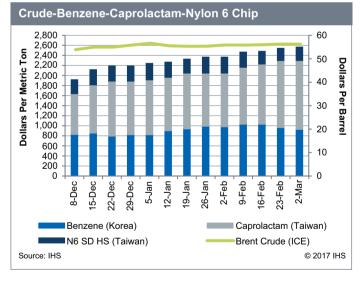
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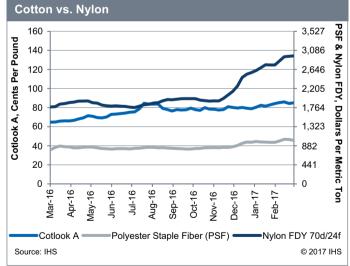
Contract									
Product	Region	Currency	Jan '17	Feb '17	Mar '17	Price Pressure			
Benzene	Korea	\$/Ton	944	1,016		V			
Caprolactam	Taiwan	\$/Ton	2,015.0	2,177.5	2,450	7			
Adipic Acid	China Domestic (Shandong)	RMB/Ton	11,500	12,200	12,800	7			
Nomination - lov	west of available quotes								

Caprolactam settled contract price is an average of the highest and lowest contracts for the month

Spot										
Product	Region	Incoterm	Currency	February '17	March '17	2 Mar '17	Price			
				Monthly Average	Rolling Average*	Average	Pressure			
Benzene	Korea	FOB	\$/Ton	1,007.98	913.75	939.00	7			
Caprolactam	Taiwan	CFR	\$/Ton	2,180	2,305	2,305	7			
Caprolactam	China	CFR	\$/Ton	2,196	2,310	2,310	7			
Adipic Acid	Asia	CFR	\$/Ton	1,569	1,690	1,690	7			
Adipic Acid	China	DEL	RMB/Ton	11,763	12,400	12,400	7			
Nylon 6 Chip, Semi-dull, HS	China	CFR	\$/Ton	2,473	2,575	2,575	7			
Nylon 6 FDY 70d/24f	China	DEL	RMB/Ton	24,225	25,050	25,050	\leftrightarrow			
Nylon 6 Chip, Semi-dull, General	China	DEL	RMB/Ton	20,288	20,500	20,500	7			
Nylon 6 POY 86d/24f	China	DEL	RMB/Ton	22,775	23,500	23,500	\leftrightarrow			
Nylon 6 DTY 70d/24f	China	DEL	RMB/Ton	25,538	26,500	26,500	\leftrightarrow			
Nylon 6,6 Fiber Chip	China	DEL	RMB/Ton	23,750	24,250	24,250	7			

^{*}Rolling Average - Average of weekly prices posted to date in the current month





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Feedstocks

Energy

Crude oil prices continued to trade in a narrow range as rising crude oil inventory and rig counts in the US countered ongoing strong compliance from the OPEC members meeting the agreed production cut. Despite a respectable rise in refinery throughput in the US following completion of some refinery turnarounds, a large drop in exports combined with increasing import volumes pushed net imports significantly higher resulting in rise in US crude inventory in the week ended February 24th to record 520 million barrels. OPEC production adherence has been very high and Middle East sour grades compose most of that reduction. Not surprisingly key marker crude Dubai has strengthened and led to narrower spreads vs. Dated Brent and even WTI making Atlantic basin crudes more attractive to Asian refiners. In the meantime non-OPEC production cuts likely accomplished a little less than one half of the goal (558,000 b/d) and it is not yet clear if this will improve.

Benzene

- The overvalued benzene prices fell for two consecutive weeks in line with the declines in styrene prices. The weekly average benzene price fell by \$36 per metric ton (mt) from last week to around \$739 per mt FOB South Korea.
- Driven by the persistently poor buying interest by Chinese consumers, coupled with the bearish base petrochemical market cues, especially the tumbling styrene prices, the Chinese domestic benzene markets continued to trend down in the past reporting week. The Chinese benzene price fell by RMB375 per mt (\$47) from last week to RMB8,210 per mt, or import equivalent of \$1,000 per mt. The Chinese benzene price was \$61 per mt higher than the international market price; the arbitrage window for shipping Asian benzene to China remained open.
- The US benzene price fell at a slower pace than the Asian price, and the weekly average US benzene price became higher than the Asian price this week. However, Asian benzene players continue to focus on the Chinese market due to superior netback prices to China compared to the United States.
- The naphtha prices fell by 2% from last week despite of stable Brent crude prices. Hence, the price spread between benzene and naphtha fell by \$30 per mt from last week to \$435 per mt. Despite the drop in benzene prices, the benzene margins remained high given the soft naphtha prices.
- Regarding operations, large-scale spring benzene plant turnarounds have commenced now, there will be several reformer and naphtha cracker turnarounds in March, expecting to tighten the benzene supply. In the meantime, there will be heavy turnarounds for downstream styrene and phenol units; therefore the benzene balance is not expected to see a major change in March.

Short-Term Forecast

• Benzene prices are expected to be under pressure due to a reduction in demand, stemming from heavy styrene and phenol turnarounds.

Caprolactam

Asia

- This week, there was an initial settlement reached between a European producer and a Taiwanese buyer at \$2,300 per mt for the March Asian contract price, representing an increase of \$150 per mt from its February settled price. However, no consensus has been achieved among Japanese producers so far with only one available offer at \$2,450 per mt.
- Despite the weakening Chinese domestic market, the Asian caprolactam spot market continued to hold up quite well amid tight spot availability and robust buying interest. We observed some deals concluded at \$2,300-2,310 per mt this week.

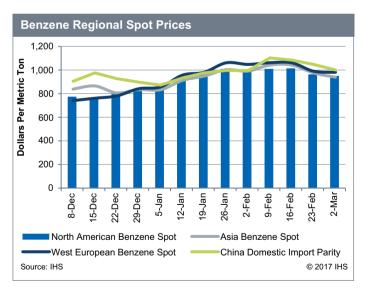
• There has been no meaningful change on the supply side. Supply has decreased from last week as one producer in Thailand started a one-month scheduled turnaround at the end of February. However, all other producers in Asia have maintained optimum production with no known outages reported.

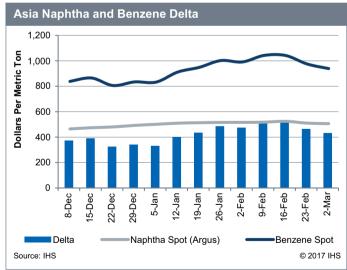
China

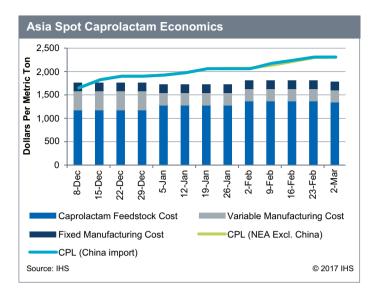
- In the domestic contract market, low inventory pressure has allowed Sinopec to increase its contract list price for March to RMB20,000 (\$2,272) per mt. This represents an increase of RMB550 (\$63) per mt from its February settled price and RMB200 (\$23) per mt from its previous list price.
- The RMB spot market has reversed the upward trend seen in the past three months as buyers seem to be reacting cautiously to a situation in which the market balance has started to loosen and feedstocks are lending no support. Some eagerness to sell has weighed down the market, but the higher contract nomination has prevented any significant price drops so far. Throughout the week, prices declined by RM200-300 per mt to RMB19,400-19,500 per mt (six months credit, delivered).
- The import market has appeared relatively stable compared to the Chinese domestic market. We continued to see some inquiries this week, but sellers seemed to be in no hurry to sell off with prices assessed flat at \$2,300-2,320 per mt notionally.
- The previous tightness in China has eased as some capacity that was down earlier has restarted in view of good margins. All operational facilities are currently running with no known planned or unplanned production losses. DNCC has gradually ramped up its operating rates to 80-85% at its 400,000 mt per year capacity as its feedstock supply has improved after Sinopec Nanjing's cyclohexanone line resumed production after encountering unexpected trouble.

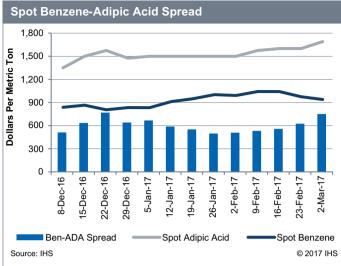
Short-Term Forecast

• Although inventory across the board does not appear high, the sluggish new orders have resulted in some anxiety on the sellers' side. This combined with the softer feedstock benzene market will continue to weigh down the Chinese caprolactam market in the short term.









Adipic Acid

Asia

- In the Chinese contract market, Shandong Haili has settled its contract prices for February at RMB12,200 per mt, which is an increase of RMB700 per mt from January's settlement. The market contract list price was posted at RMB12,800 per mt.
- Demand continued to see some improvement this week with large downstream PU plants running at 80-90% while small and medium-size producers were running at 50-70%. This combined with supply restrictions continued to underpin the domestic adipic acid market, with prices increasing to RMB12,300-12,500 per mt in East China, up RMB200-300 per mt from last week.
- The import market remains fairly tight and producers have continued to focus on executing pervious orders, with no extra prompt cargoes to sell off at this point. This has helped the adipic acid market swim against the tide of weak feedstocks. As a result, prices for Chinese-origin materials remained firm this week at \$1,650-1,700 per mt notionally while offers for Japanese and South Korean origins surged higher to \$1,700-1,750 per mt for March shipments.

Short-Term Forecast

• Although benzene prices have seen a significant downward correction, a serious supply shortage combined with strong seasonal demand will still allow adipic acid producers to raise prices further in March.

Nylon

Nylon Chip (Fiber Grade)

Asia

- There was still no enthusiastic buying observed this week in the Asian chip market. This was unsurprising as most buyers had stocked up during the previous strong buying and are currently adopting a wait-and-see stance because they perceive that prices may have peaked.
- Although visible trades were elusive during the week as buyers showed strong resistance given the widened price gap between the Chinese domestic and import markets, buyers maintained firm positions and targeted prices at \$2,600 per mt for high-speed spinning nylon 6 semi-dull chip. Prices are currently assessed at \$2,570-2,580 per mt based on the bids and offers.
- In the nylon 6,6 market, the strength in the feedstock market on the back of a serious supply shortage continued to boost nylon 6,6 prices, which increased to \$2,700-2,800 per mt in Asia and RMB24,000-24,500 per mt in China.

China

- In China, consumers continued to show little interest in stocking up this week in a weakening feedstock market, with new orders much lower than production. As a result, chip producers were not able to achieve balanced production–sales ratios this week and inventory has gradually accumulated to 10-14 days.
- This week, movement in Chinese chip prices was mixed as we saw aggressive pricing behavior in the general grade chip market, with prices decreasing by RMB500 per mt to RMB20,200-20,800 per mt. High-speed spinning chip remained relatively firm at RMB21,000-21,700 per mt on the back of firm caprolactam contract nominations.
- Supply has increased slightly as some chip producers have been able to increase production in line with the improved caprolactam supply. Demand in terms of physical consumption has showed no meaningful change with textile filament operating rates have stabilized at around 75%.

Short-Term Forecast

• If there is no sign of a slowdown in the feedstock benzene price decline, chip producers in China may scramble to cut prices in order to attract business given the increased selling pressure. However, tight chip availability may keep import prices firm in the short term.

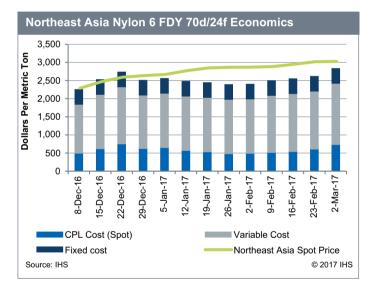
Nylon Filament

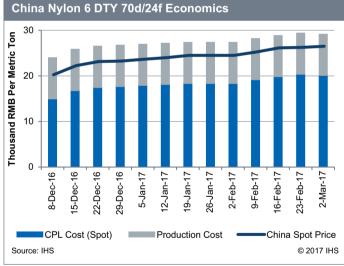
Asia

- It seems that the recent price weakness in the upstream market is being passed along to downstream industries. The strong buying in the fabric market seen over the past two weeks has tailed off. However, textile filament producers have still been able to maintain balanced sales–production ratios thanks to strong pre-buying, with inventory remaining at 20-25 days at this point.
- In Taiwan, the textile filament market has lost upward momentum in view of negative development in the upstream market. However, no decline in prices was observed this week given the low sales pressure, with prices for FDY 70d/24f (semi-dull) leveling off at TWD93 per kg.
- As the textile filament market lagged the previous increments in upstream prices, it is necessary for textile filament producers to push prices higher even though the feedstock market has showed signs of weakness. During the week, prices increased to RMB24,800-25,300 per mt for FDY 70d/24f and RMB26,000-27,000 per mt for DTY 70d/24f, while POY 86d/24f remained unchanged at RMB23,000-24,000 per mt.

Short-Term Forecast

• The signs of feedstock weakness are putting downward pressure on the textile filament market. However, the textile filament market lagged the previous increments in upstream prices, which means it may not immediately follow the feedstock decreases.





		Unit Price	9-Feb-17		16-Feb-17		23-Feb-17		2-Mar-17	
Product	Region of Sales		Low High		Low High		Low High		Low	High
Nylon Raw Materials										
Crude	ICE Brent	\$/Barrel	55.26	56.40	55.44	56.53	55.74	56.78	55.77	56.66
Benzene	United States	\$/Ton	1,007.26	1,012.05	1,012.35	1,015.94	954.70	971.34	944.55	955.93
Benzene	Europe	\$/Ton	1,054.00	1,070.00	1,054.80	1,067.40	986.00	993.00	976.00	985.50
Benzene	Asia	\$/Ton	1,039.40	1,045.40	1,039.40	1,044.60	972.20	978.00	936.00	942.00
Phenol	NE Asia	\$/Ton	1,100	1,160	1,100	1,150	1,090	1,140	1,070	1,120
Caprolactam (1,4)	Taiwan	\$/Ton	2,120	2,150	2,160	2,270	2,300	2,300	2,300	2,310
Caprolactam (1,5)	China	\$/Ton	2,150	2,200	2,210	2,270	2,300	2,320	2,300	2,320
Caprolactam-Domestic (1,6)	China	RMB/Ton	18,300	18,800	18,900	19,500	19,600	19,800	19,400	19,500
Adipic Acid (1,6)	China	RMB/Ton	11,800	12,000	11,800	12,000	12,000	12,300	12,300	12,500
Adipic Acid (1,4)	Asia	\$/Ton	1,550	1,600	1,550	1,650	1,550	1,650	1,680	1,700
Nylon Fiber Chips										
N6 SD HS (1,5)	Taiwan	\$/Ton	2,450	2,500	2,480	2,500	2,550	2,550	2,570	2,580
N6 SD HS (1,6)	China	RMB/Ton	19,700	20,700	20,700	21,700	21,000	21,700	21,000	21,700
N6 SD Gen (1,6)	China	RMB/Ton	19,700	20,500	20,500	21,200	20,700	21,300	20,200	20,800
N66 Fiber Chip (1,6)	China	RMB/Ton	24,000	24,500	24,000	24,500	24,000	24,500	24,000	24,500
N66 Fiber Chip (1,4)	Asia	\$/Ton	2,550	2,600	2,600	2,650	2,600	2,650	2,700	2,800
Nylon Fibers										
N6 FDY 70d/24f (1,6)	China	RMB/Ton	23,500	24,500	24,500	25,000	24,500	25,300	24,800	25,300
N6 FDY 70d/24f (1)	Taiwan	NT\$/kg	89.0	90.0	91.0	91.0	93.0	93.0	93.0	93.0
N6 FDY 40d/12f (2)	Asia	\$/Ton	3,170	3,200	3,250	3,250	3,320	3,320	3,330	3,330
N6 POY 86d/24f	China	RMB/Ton	22,000	23,000	23,000	24,000	23,000	24,000	23,000	24,000
N6 DTY 70d/24f (1,6)	China	RMB/Ton	24,500	26,000	25,300	27,000	25,500	27,000	26,000	27,000
N66 DTY 70d/68f (1,6)	China	RMB/Ton	33,000	33,500	33,000	33,500	33,000	33,500	33,000	33,500

Contract Price Table										
Product	Benzene		CPL (1,4)		CPL (1, 3)		CPL (1,5)		Adipic Acid (1,5)	
Region of Sales	USA (\$/Ton)	Europe (\$/Ton)	Taiwan	(\$/Ton)	Europe (€/Ton)		China (RMB/Ton)		China (RMB/Ton)	
Price Type	Settled	Settled	Low	High	Low	High	Nom.	Settled	Nom.	Settled
January-17	811	842	1,980	2,050	2,063	2,123	18,300	17,800	11,800	11,500
February-17	997	1,045	2,085	2,270	2,330	2,390	19,800	19,450	12,200	12,200
March-17	676	992					20,000		12,800	

Pricing Notes

All prices are per metric ton unless indicate otherwise.

All prices are FOB unless notes indicated otherwise.

Price range covers from the day following previous report through this report's date.

(1) Delivered or minimum freight allowed (2) FOB (3) Benchmark Price (4) 30 days financial term (5) 90 days financial term (6) Cash Basis

Rates

China Interest Rates 4.35%

China Exchange Rate 6.89 RMB/\$

Taiwan Exchange Rate 30.73 NT\$/\$

Euro Exchange Rate 0.95 €/\$

Monday - Friday Programming



WPC2017

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