



Petroleum and Petrochemical Economics

Petrochemical Market Dynamics

Styrenics

December 2016



This Report was prepared by Nexant, Inc. ("Nexant") and is part of the NexantThinking™ suite. Except where specifically stated otherwise in this Report, the information contained herein is prepared on the basis of information that is publicly available, and contains no confidential third party technical information to the best knowledge of Nexant. Aforesaid information has not been independently verified or otherwise examined to determine its accuracy, completeness or financial feasibility. Neither Nexant, Subscriber nor any person acting on behalf of either assumes any liabilities with respect to the use of or for damages resulting from the use of any information contained in this Report. Nexant does not represent or warrant that any assumed conditions will come to pass.

The Report is submitted on the understanding that the Subscriber will maintain the contents confidential except for the Subscriber's internal use. The Report should not be reproduced, distributed or used without first obtaining prior written consent by Nexant. Each Subscriber agrees to use reasonable effort to protect the confidential nature of the Report.

Copyright © by Nexant Inc. 2016. All rights reserved.

Contents

Section	Page
1 Executive Summary	1-1
1.1 INTRODUCTION.....	1-2
1.2 STYRENICS OVERVIEW	1-5
1.3 STYRENICS DERIVATIVES.....	1-10
2 The Styrenics Industry.....	2-1
2.1 INTRODUCTION.....	2-1
2.2 USES OF STYRENICS.....	2-2
2.3 MARKET COVERAGE.....	2-4
3 Styrene	3-1
3.1 GLOBAL	3-1
3.1.1 Consumption	3-1
3.1.2 Supply	3-5
3.1.3 Supply, Demand and Trade	3-8
3.2 NORTH AMERICA	3-11
3.2.1 Consumption	3-11
3.2.2 Supply	3-14
3.2.3 Supply, Demand and Trade	3-17
3.3 SOUTH AMERICA	3-20
3.3.1 Consumption	3-20
3.3.2 Supply	3-22
3.3.3 Supply, Demand and Trade	3-24
3.4 WESTERN EUROPE	3-26
3.4.1 Consumption	3-26
3.4.2 Supply	3-28
3.4.3 Supply, Demand and Trade	3-31
3.5 CENTRAL AND EASTERN EUROPE.....	3-33
3.5.1 Central Europe	3-33
3.5.2 Eastern Europe	3-37
3.6 MIDDLE EAST AND AFRICA	3-46
3.6.1 Middle East.....	3-46
3.6.2 Africa	3-52
3.7 ASIA PACIFIC	3-55

	3.7.1 Consumption	3-55
	3.7.2 Supply	3-60
	3.7.3 Supply, Demand and Trade	3-67
4	Polystyrene (GPPS/HIPS).....	4-1
4.1	GLOBAL	4-1
	4.1.1 Consumption	4-1
	4.1.2 Supply	4-3
	4.1.3 Supply, Demand and Trade	4-5
4.2	NORTH AMERICA	4-7
	4.2.1 Consumption	4-7
	4.2.2 Supply	4-10
	4.2.3 Supply, Demand and Trade	4-13
4.3	SOUTH AMERICA	4-15
	4.3.1 Consumption	4-15
	4.3.2 Supply	4-16
	4.3.3 Supply, Demand and Trade	4-19
4.4	WESTERN EUROPE	4-21
	4.4.1 Consumption	4-21
	4.4.2 Supply	4-22
	4.4.3 Supply, Demand and Trade	4-25
4.5	CENTRAL AND EASTERN EUROPE.....	4-26
	4.5.1 Central Europe	4-26
	4.5.2 Eastern Europe	4-30
4.6	MIDDLE EAST AND AFRICA	4-36
	4.6.1 Middle East.....	4-36
	4.6.2 Africa	4-40
4.7	ASIA PACIFIC	4-43
	4.7.1 Consumption	4-43
	4.7.2 Supply	4-47
	4.7.3 Supply, Demand and Trade	4-54
5	Expandable Polystyrene (EPS).....	5-1
5.1	GLOBAL	5-1
	5.1.1 Consumption	5-1
	5.1.2 Supply	5-4
	5.1.3 Supply, Demand and Trade	5-7
5.2	NORTH AMERICA	5-9

5.2.1	Consumption	5-9
5.2.2	Supply	5-11
5.2.3	Supply, Demand and Trade	5-14
5.3	SOUTH AMERICA	5-16
5.3.1	Consumption	5-16
5.3.2	Supply	5-17
5.3.3	Supply, Demand and Trade	5-20
5.4	WESTERN EUROPE	5-21
5.4.1	Consumption	5-21
5.4.2	Supply	5-22
5.4.3	Supply, Demand and Trade	5-26
5.5	CENTRAL AND EASTERN EUROPE.....	5-27
5.5.1	Central Europe	5-27
5.5.2	Eastern Europe	5-30
5.6	MIDDLE EAST AND AFRICA	5-35
5.6.1	Middle East.....	5-35
5.6.2	Africa	5-40
5.6.3	Supply	5-40
5.7	ASIA PACIFIC	5-42
5.7.1	Consumption	5-42
5.7.2	Supply	5-46
5.7.3	Supply, Demand and Trade	5-53
6	Acrylonitrile Butadiene Styrene (ABS)	6-1
6.1	GLOBAL	6-1
6.1.1	Consumption	6-1
6.1.2	Supply	6-4
6.1.3	Supply, Demand and Trade	6-6
6.2	NORTH AMERICA	6-8
6.2.1	Consumption	6-8
6.2.2	Supply	6-10
6.2.3	Supply, Demand and Trade	6-13
6.3	SOUTH AMERICA	6-16
6.3.1	Consumption	6-16
6.3.2	Supply	6-17
6.3.3	Supply, Demand and Trade	6-18
6.4	WESTERN EUROPE	6-19

6.4.1	Consumption	6-19
6.4.2	Supply	6-20
6.4.3	Supply, Demand and Trade	6-23
6.5	CENTRAL AND EASTERN EUROPE.....	6-24
6.5.1	Central Europe	6-24
6.5.2	Eastern Europe	6-27
6.6	MIDDLE EAST AND AFRICA	6-33
6.6.1	Middle East.....	6-33
6.6.2	Africa	6-37
6.7	ASIA PACIFIC	6-39
6.7.1	Consumption	6-39
6.7.2	Supply	6-44
6.7.3	Supply, Demand and Trade	6-51
7	Styrene Butadiene Rubbers (SBR)	7-1
7.1	GLOBAL	7-1
7.1.1	Consumption	7-1
7.1.2	Supply	7-7
7.1.3	Supply, Demand and Trade	7-10
7.2	NORTH AMERICA	7-13
7.2.1	Consumption	7-13
7.2.2	Supply	7-18
7.2.3	Supply, Demand and Trade	7-22
7.3	SOUTH AMERICA	7-24
7.3.1	Consumption	7-24
7.3.2	Supply	7-27
7.3.3	Supply, Demand and Trade	7-29
7.4	WESTERN EUROPE	7-31
7.4.2	Supply	7-34
7.4.3	Supply, Demand and Trade	7-37
7.5	CENTRAL AND EASTERN EUROPE.....	7-39
7.5.1	Central Europe	7-39
7.5.2	Eastern Europe	7-44
7.6	MIDDLE EAST AND AFRICA	7-53
7.6.1	Middle East.....	7-53
7.6.2	Africa	7-59
7.7	Asia Pacific	7-64

7.7.1	Consumption	7-64
7.7.2	Supply	7-72
7.7.3	Supply, Demand and Trade	7-80
8	Other Styrene Derivatives	8-1
8.1	GLOBAL	8-1
8.1.1	Styrene Butadiene Latex (SB Latex)	8-1
8.1.2	Others.....	8-1
8.2	NORTH AMERICA	8-3
8.2.1	Styrene Butadiene Latex (SB Latex)	8-3
8.2.2	Unsaturated Polyester Resins (UPR)	8-3
8.2.3	Others.....	8-4
8.3	SOUTH AMERICA	8-6
8.3.1	Styrene Butadiene Latex (SB Latex)	8-6
8.3.2	Others.....	8-6
8.4	WESTERN EUROPE	8-8
8.4.1	Styrene Butadiene Latex (SB Latex)	8-8
8.4.2	Unsaturated Polyester Resins (UPR)	8-8
8.4.3	Others.....	8-8
8.5	CENTRAL AND EASTERN EUROPE.....	8-12
8.5.1	Central Europe	8-12
8.5.2	Eastern Europe	8-13
8.6	MIDDLE EAST AND AFRICA	8-15
8.6.1	Middle East.....	8-15
8.6.2	Africa	8-17
8.7	ASIA PACIFIC	8-19
8.7.1	Styrene Butadiene Latex (SB Latex)	8-19
8.7.2	Others.....	8-20

Appendix	Page
A Methodology	A-1
B The Styrenics Industry - Technology.....	B-1

Figure	Page
2.1 Styrenics Molecules	2-3
2.2 Main Chemical Uses of Styrene	2-3

3.1	Global Styrene Demand, 2016-e.....	3-2
3.2	Global GDP Growth vs. Styrene Consumption Growth	3-3
3.3	Global Styrene Consumption by Region	3-4
3.4	Global Styrene Capacity Share by Marketer in 2016-e.....	3-6
3.5	Global Styrene Capacity Additions/(Closures)	3-7
3.6	Global Styrene Capacity	3-7
3.7	Global Styrene Supply and Demand.....	3-9
3.8	Global Styrene Net Exports(Imports)	3-10
3.9	North America Styrene Consumption, 2016-e	3-13
3.10	Location of Styrene Plants in North America	3-16
3.11	North America Styrene Supply, Demand and Trade.....	3-18
3.12	United States Styrene Supply, Demand and Trade	3-19
3.13	South America Styrene Consumption, 2016-e.....	3-21
3.14	Location of Styrene Plants in South America.....	3-23
3.15	South America Styrene Supply, Demand and Trade	3-25
3.16	Western Europe Styrene Consumption, 2016-e	3-27
3.17	Location of Styrene Plants in Western Europe	3-30
3.18	Western Europe Styrene Supply,/Demand and Trade.....	3-32
3.19	Central Europe Styrene Consumption, 2016-e	3-34
3.20	Location of Styrene Plants in Central Europe	3-35
3.21	Central Europe Styrene Supply, Demand and Trade	3-36
3.22	Russia Styrene Consumption, 2016-e	3-38
3.23	Other Eastern Europe Styrene Consumption, 2016-e	3-39
3.24	Location of Styrene Plants in Eastern Europe	3-41
3.25	Russia Styrene Supply, Demand and Trade.....	3-43
3.26	Other Eastern Europe Styrene Supply, Demand and Trade	3-44
3.27	Total Eastern Europe Styrene Supply, Demand and Trade.....	3-45
3.28	Middle Eastern Styrene Consumption, 2016-e	3-47
3.29	Location of Styrene Plants in the Middle East	3-49
3.30	Middle East Styrene Supply, Demand and Trade.....	3-51
3.31	Africa Styrene Consumption, 2016-e	3-53
3.32	Africa Styrene Supply, Demand and Trade	3-54
3.33	Asia Pacific Styrene Consumption, 2016-e.....	3-59
3.34	Location of Styrene Plants in China	3-65
3.35	Location of Styrene Plants in Japan and South Korea	3-66
3.36	Location of Styrene Plants in South-East Asia	3-66

3.37	Location of Styrene Plants in India.....	3-67
3.38	Asia Pacific Styrene Supply, Demand and Trade	3-70
3.39	China Styrene Supply, Demand and Trade	3-71
4.1	Global GDP Growth vs. Polystyrene Consumption Growth	4-2
4.2	Global Polystyrene Consumption by Region	4-2
4.3	Global Polystyrene Capacity Share by Marketer, 2016-e	4-3
4.4	Global Polystyrene Capacity Additions/(Closures)	4-4
4.5	Global Polystyrene Capacity	4-4
4.6	Global Polystyrene Supply and Demand	4-5
4.7	Global Polystyrene Net Exports(Imports).....	4-6
4.8	North America Polystyrene Consumption, 2016-e	4-9
4.9	Location of Polystyrene (GPPS/HIPS) Plants in North America.....	4-12
4.10	North America Polystyrene (GPPS/HIPS) Supply, Demand and Trade	4-13
4.11	United States Polystyrene (GPPS/HIPS) Supply, Demand and Trade.....	4-14
4.12	Location of GPPS/HIPS Plants in South America.....	4-18
4.13	South America GPPS/HIPS Supply, Demand and Trade	4-20
4.14	Location of Polystyrene Plants in Western Europe	4-24
4.15	Western Europe Polystyrene Supply, Demand and Trade	4-25
4.16	Location of Polystyrene Plants in Central Europe.....	4-28
4.17	Central Europe Polystyrene Supply, Demand and Trade	4-29
4.18	Location of Polystyrene Plants in Eastern Europe	4-32
4.19	Russia Polystyrene Supply, Demand and Trade	4-33
4.20	Other Eastern Europe Polystyrene Supply, Demand and Trade	4-34
4.21	Total Eastern Europe Polystyrene Supply, Demand and Trade	4-35
4.22	Location of Polystyrene Plants in the Middle East and Africa.....	4-38
4.23	Middle East Polystyrene Supply, Demand and Trade	4-39
4.24	Location of Polystyrene Plants in the Middle East and Africa.....	4-41
4.25	Africa Polystyrene Supply, Demand and Trade	4-42
4.26	Location of Polystyrene Plants in China.....	4-52
4.27	Location of Polystyrene Plants in Japan and South Korea	4-53
4.28	Location of Polystyrene Plants in South-East Asia	4-53
4.29	Location of Polystyrene Plants in India and Pakistan	4-54
4.30	Asia Pacific Polystyrene Supply, Demand and Trade.....	4-57
4.31	China Polystyrene Supply, Demand and Trade	4-58
5.1	Global GDP Growth vs. EPC Consumption Growth	5-2
5.2	Global EPS Consumption	5-3

5.3	Global EPS Capacity Share by Marketer, 2016-e.....	5-5
5.4	Global EPS Capacity Additions/(Closures)	5-6
5.5	Regional EPS Capacity	5-6
5.6	Global EPS Supply and Demand	5-7
5.7	Regional EPS Net Exports(Imports).....	5-8
5.8	Location of EPS Plants in North America	5-13
5.9	North America EPS Supply, Demand and Trade	5-14
5.10	United States EPS Supply, Demand and Trade	5-15
5.11	Location of EPS Plants in South America	5-19
5.12	South America EPS Supply, Demand and Trade	5-20
5.13	Location of EPS Plants in Western Europe	5-25
5.14	Western Europe EPS Supply, Demand and Trade	5-26
5.15	Location of EPS Plants in Central Europe	5-28
5.16	Central Europe EPS Supply, Demand and Trade.....	5-29
5.17	Location of EPS Plants in Central and Eastern Europe.....	5-31
5.18	Russia EPS Supply, Demand and Trade	5-32
5.19	Other Eastern Europe EPS Supply, Demand and Trade.....	5-33
5.20	Total Eastern Europe EPS Supply, Demand and Trade.....	5-34
5.21	Location of EPS Plants in the Middle East.....	5-38
5.22	Middle East EPS Supply, Demand and Trade	5-39
5.23	Africa EPS Supply, Demand and Trade.....	5-41
5.24	Location of EPS Plants in China	5-50
5.25	Location of EPS Plants in Japan and South Korea.....	5-51
5.26	Location of EPS Plants in South-East Asia.....	5-51
5.27	Location of EPS Plants in India and Pakistan.....	5-52
5.28	Asia Pacific EPS Supply, Demand and Trade	5-55
5.29	China EPS Supply, Demand and Trade.....	5-56
6.1	Global GDP Growth vs. ABS Consumption Growth.....	6-2
6.2	Global ABS Consumption by Region	6-3
6.3	Global ABS Capacity Share by Marketer, 2016-e.....	6-4
6.4	Global ABS Capacity Additions/(Closures)	6-5
6.5	Regional ABS Capacity	6-5
6.6	Global ABS Supply and Demand	6-6
6.7	Regional ABS Net Exports/(Imports).....	6-7
6.8	North America ABS Consumption, 2016-e	6-9
6.9	Location of ABS Plants in North America	6-12

6.10	North America ABS Supply, Demand and Trade	6-14
6.11	United States ABS Supply, Demand and Trade	6-15
6.12	South America ABS Supply, Demand and Trade	6-18
6.13	Location of ABS Plants in Western Europe	6-22
6.14	Western Europe ABS Supply, Demand and Trade	6-23
6.15	Central Europe ABS Supply, Demand and Trade	6-26
6.16	Location of ABS Plants in Russian	6-29
6.17	Russia ABS Supply, Demand and Trade	6-30
6.18	Other Eastern Europe ABS Supply, Demand and Trade	6-31
6.19	Total Eastern Europe ABS Supply, Demand and Trade	6-32
6.20	Location of ABS Plants in the Middle East	6-35
6.21	Middle East ABS Supply, Demand and Trade	6-36
6.22	Africa ABS Supply, Demand and Trade	6-38
6.23	Location of ABS Plants in China	6-49
6.24	Location of ABS Plants in Japan and South Korea	6-50
6.25	Location of ABS Plants in South-East Asia	6-50
6.26	Location of ABS Plants in India	6-51
6.27	Asia Pacific ABS Supply, Demand and Trade	6-55
6.28	China ABS Supply, Demand and Trade	6-56
7.1	Global SBR Consumption, 2016-e	7-4
7.2	Global GDP Growth vs. SBR Consumption Growth	7-5
7.3	Global SBR Consumption	7-6
7.4	Global SBR Capacity Share by Marketer, 2016-e	7-8
7.5	Global SBR Capacity Additions/(Closures)	7-9
7.6	Global SBR Capacity	7-9
7.7	Global SBR Supply and Demand	7-11
7.8	Regional SBR Net Exports/(Imports)	7-12
7.9	North America SBR Consumption, 2016-e	7-16
7.10	Location of SBR Plants in North America	7-21
7.11	North America SBR Supply, Demand and Trade	7-22
7.12	United States SBR Supply, Demand and Trade	7-23
7.13	South America SBR Consumption, 2016-e	7-26
7.14	Location of SBR Plants in South America	7-28
7.15	South America SBR Supply, Demand and Trade	7-30
7.16	Western Europe SBR Consumption, 2016-e	7-33
7.17	Location of SBR Plants in Western Europe	7-36

7.18	Western Europe SBR Supply, Demand and Trade.....	7-38
7.19	Central Europe SBR Consumption, 2016-e	7-40
7.20	Location of SBR Plants in Central Europe	7-42
7.21	Central Europe SBR Supply, Demand and Trade	7-43
7.22	Russia SBR Consumption, 2016-e	7-45
7.23	Other Eastern Europe SBR Consumption, 2016-e	7-47
7.24	Location of SBR Plants in Central and Eastern Europe.....	7-49
7.25	Russia SBR Supply, Demand and Trade.....	7-50
7.26	Other Eastern Europe SBR Supply, Demand and Trade.....	7-51
7.27	Total Eastern European SBR Supply, Demand and Trade	7-52
7.28	Middle East SBR Consumption, 2016-e.....	7-54
7.29	Location of SBR Plants in the Middle East.....	7-57
7.30	Middle East SBR Supply, Demand and Trade	7-58
7.31	Africa SBR Consumption, 2016-e	7-60
7.32	Location of SBR Plants in and Africa	7-62
7.33	Africa SBR Supply, Demand and Trade.....	7-63
7.34	Asia Pacific SBR Consumption, 2016-e.....	7-71
7.35	Location of SBR Plants in China	7-78
7.36	Location of SBR Plants in Japan and South Korea	7-79
7.37	Location of SBR Plants in South-East Asia	7-79
7.38	Location of SBR Plants in India.....	7-80
7.39	Asia Pacific SBR Supply, Demand and Trade	7-85
7.40	China SBR Supply, Demand and Trade	7-86
8.1	Location of SB Latex Plants in North America	8-5
8.2	Location of SB Latex Plants in South America	8-7
8.3	Location of SB Latex Plants in Western Europe	8-11
8.4	Location of SB Latex Plants in Central Europe.....	8-12
8.5	Location of SB Latex Plants in Eastern Europe	8-14
8.6	Location of SB Latex Plants in the Middle East	8-16
8.7	Location of SB Latex Plants in Africa	8-18
8.8	Location of SB Latex Plants in China.....	8-24
8.9	Location of SB Latex Plants in China (Cont.).....	8-24
8.10	Location of SB Latex Plants in Japan and South Korea	8-25
8.11	Location of SB Latex Plants in South-East Asia	8-25
8.12	Location of SB Latex Plants in India	8-26

Table	Page
3.1 Global Styrene Consumption by Derivative	3-2
3.2 Global Styrene Consumption by Region	3-4
3.3 Global Styrene Supply and Demand	3-9
3.4 North America Styrene Consumption by Derivative	3-13
3.5 North America Styrene Consumption by Country	3-13
3.6 Capacities of Styrene in North America	3-15
3.7 North America Styrene Supply, Demand and Trade	3-18
3.8 United States Styrene Supply, Demand and Trade	3-19
3.9 South America Styrene Consumption by Derivative	3-21
3.10 South America Styrene Consumption by Country	3-21
3.11 Capacities for Styrene in South America	3-22
3.12 South America Styrene Supply, Demand and Trade	3-25
3.13 Western Europe Styrene Consumption by Derivative	3-27
3.14 Capacities for Styrene in Western Europe	3-29
3.15 Western Europe Styrene Supply, Demand and Trade	3-32
3.16 Central Europe Styrene Consumption by Derivative	3-34
3.17 Capacities for Styrene in Central Europe	3-35
3.18 Central Europe Styrene Supply, Demand and Trade	3-36
3.19 Russia Styrene Consumption by Derivative	3-38
3.20 Other Eastern Europe Styrene Consumption by Derivative	3-39
3.21 Capacities for Styrene in Eastern Europe	3-41
3.22 Russia Styrene Supply, Demand and Trade	3-43
3.23 Other Eastern Europe Styrene Supply, Demand and Trade	3-44
3.24 Total Eastern Europe Styrene Supply, Demand and Trade	3-45
3.25 Middle Eastern Styrene Consumption by Derivative	3-47
3.26 Middle Eastern Styrene Consumption by Country	3-47
3.27 Capacities for Styrene in the Middle East	3-48
3.28 Middle East Styrene Supply, Demand and Trade	3-51
3.29 Africa Styrene Consumption by Derivative	3-53
3.30 Africa Styrene Consumption by Country	3-53
3.31 Africa Styrene Supply, Demand and Trade	3-54
3.32 Asia Pacific Styrene Consumption by Derivative	3-59
3.33 Asia Pacific Styrene Consumption by Country	3-59
3.34 Asia Pacific Styrene Capacity	3-63
3.35 Asia Pacific Styrene Supply, Demand and Trade	3-70

3.36	China Styrene Supply, Demand and Trade	3-71
4.1	Global Polystyrene Consumption by Region	4-2
4.2	Global Polystyrene Supply and Demand	4-5
4.3	North America Polystyrene (GPPS/HIPS) Consumption by End-Use	4-9
4.4	North America Polystyrene (GPPS/HIPS) Consumption by Country	4-9
4.5	Capacities of Polystyrene (GPPS/HIPS) in North America	4-11
4.6	North America Polystyrene (GPPS/HIPS) Supply, Demand and Trade	4-13
4.7	United States Polystyrene (GPPS/HIPS) Supply, Demand and Trade	4-14
4.8	South America GPPS/HIPS Consumption by End-Use	4-15
4.9	South America GPPS/HIPS Consumption by Country	4-15
4.10	Capacities for GPPS/HIPS in South America	4-17
4.11	South America GPPS/HIPS Supply, Demand and Trade	4-20
4.12	Western Europe Polystyrene Consumption by End-Use	4-21
4.13	Capacities for Polystyrene in Western Europe	4-23
4.14	Western Europe Polystyrene Supply, Demand and Trade	4-25
4.15	Central Europe Polystyrene Consumption by End-Use	4-26
4.16	Capacities for Polystyrene in Central Europe	4-27
4.17	Central Europe Polystyrene Supply, Demand and Trade	4-29
4.18	Russia Polystyrene Consumption by End-Use	4-31
4.19	Capacities for Polystyrene in Eastern Europe	4-31
4.20	Russia Polystyrene Supply, Demand and Trade	4-33
4.21	Other Eastern Europe Polystyrene Supply, Demand and Trade	4-34
4.22	Total Eastern Europe Polystyrene Supply, Demand and Trade	4-35
4.23	Middle East Polystyrene Consumption by End-Use	4-36
4.24	Middle East Polystyrene Consumption by Country	4-36
4.25	Capacities for Polystyrene in the Middle East	4-37
4.26	Middle East Polystyrene Supply, Demand and Trade	4-39
4.27	Africa Polystyrene Consumption by End-Use	4-40
4.28	Africa Polystyrene Consumption by Country	4-40
4.29	Capacities for Polystyrene in Africa	4-41
4.30	Africa Polystyrene Supply, Demand and Trade	4-42
4.31	Asia Pacific Polystyrene Consumption by End-Use	4-47
4.32	Asia Pacific Polystyrene Consumption by Country	4-47
4.33	Capacities for Polystyrene in Asia Pacific	4-49
4.34	Asia Pacific Polystyrene Supply, Demand and Trade	4-57
4.35	China Polystyrene Supply, Demand and Trade	4-58

5.1	Global EPS Consumption by End-Use.....	5-2
5.2	Global EPS Supply and Demand	5-7
5.3	North America EPS Consumption by End-Use	5-10
5.4	North America EPS Consumption by Country	5-10
5.5	Capacities of EPS North America	5-12
5.6	North America EPS Supply, Demand and Trade	5-14
5.7	United States EPS Supply Demand and Trade	5-15
5.8	South America EPS Consumption by End-Use	5-17
5.9	South America EPS Consumption by Country	5-17
5.10	Capacities for EPS in South America.....	5-18
5.11	South America EPS Supply, Demand and Trade	5-20
5.12	Western Europe EPS Consumption by End-Use	5-22
5.13	Capacities for EPS in Western Europe	5-24
5.14	Western Europe EPS Supply, Demand and Trade	5-26
5.15	Central Europe EPS Consumption by End-Use.....	5-27
5.16	Capacities for Expandable Polystyrene in Central Europe	5-28
5.17	Central Europe EPS Supply, Demand and Trade.....	5-29
5.18	Russia EPS Consumption by End-Use	5-30
5.19	Capacities for Expandable Polystyrene in Eastern Europe	5-31
5.20	Russia EPS Supply, Demand and Trade	5-32
5.21	Other Eastern Europe EPS Supply, Demand and Trade.....	5-33
5.22	Total Eastern Europe EPS Supply, Demand and Trade.....	5-34
5.23	Middle East EPS Consumption by End-Use	5-36
5.24	Middle East EPS Consumption by Country	5-36
5.25	Capacities for EPS in the Middle East	5-37
5.26	Middle East EPS Supply, Demand and Trade	5-39
5.27	Africa EPS Consumption by End-Use.....	5-40
5.28	Africa EPS Consumption by Country	5-40
5.29	Africa EPS Supply, Demand and Trade.....	5-41
5.30	Asia Pacific EPS Consumption by End-Use	5-45
5.31	Asia Pacific EPS Consumption by Country.....	5-45
5.32	Capacities for EPS in Asia Pacific.....	5-48
5.33	Asia Pacific EPS Supply, Demand and Trade	5-55
5.34	China EPS Supply, Demand and Trade.....	5-56
6.1	Regional ABS Consumption by Region	6-2
6.2	Global ABS Supply and Demand	6-6

6.3	North America ABS Consumption by End-Use	6-10
6.4	Capacities of ABS in North America	6-11
6.5	North America ABS Supply, Demand and Trade	6-14
6.6	United States ABS Supply Demand and Trade	6-15
6.7	South America ABS Consumption by End-Use	6-17
6.8	South America ABS Consumption by Country	6-17
6.9	South America ABS Supply, Demand and Trade	6-18
6.10	Western Europe ABS Consumption by End-Use	6-19
6.11	Capacities for ABS in Western Europe	6-21
6.12	Western Europe ABS Supply, Demand and Trade	6-23
6.13	Central Europe ABS Consumption by End-Use	6-24
6.14	Central Europe ABS Supply, Demand and Trade	6-26
6.15	Russia ABS Consumption by End-Use	6-27
6.16	Other Eastern Europe ABS Consumption by End-Use	6-28
6.17	Capacities for ABS in Russian	6-28
6.18	Russia ABS Supply, Demand and Trade	6-30
6.19	Other Eastern Europe ABS Supply, Demand and Trade	6-31
6.20	Total Eastern Europe ABS Supply, Demand and Trade	6-32
6.21	Middle East ABS Consumption by End-Use	6-33
6.22	Capacities for ABS in the Middle East	6-34
6.23	Middle East ABS Supply, Demand and Trade	6-36
6.24	African ABS Consumption by End-Use	6-37
6.25	Africa ABS Supply, Demand and Trade	6-38
6.26	Asia Pacific ABS Consumption by End-Use	6-43
6.27	Asia Pacific ABS Consumption by Country	6-43
6.28	Capacities for ABS in Asia Pacific	6-47
6.29	Asia Pacific ABS Supply, Demand and Trade	6-55
6.30	China ABS Supply, Demand and Trade	6-56
7.1	Global SBR Consumption by Type	7-4
7.2	Global SBR Consumption by Region	7-6
7.3	Global SBR Supply and Demand	7-11
7.4	North America SBR Consumption by Type	7-16
7.5	North American SBR Consumption by Country	7-17
7.6	SBR Capacity in North America	7-20
7.7	North America SBR Supply, Demand and Trade	7-22
7.8	United States SBR Supply Demand and Trade	7-23

7.9	South America SBR Consumption by Type	7-26
7.10	South American SBR Consumption by Country	7-26
7.11	SBR Capacity in South America	7-27
7.12	South America SBR Supply, Demand and Trade	7-30
7.13	West Europe SBR Consumption by Type	7-33
7.14	SBR Capacity in Western Europe	7-35
7.15	Western Europe SBR Supply, Demand and Trade.....	7-38
7.16	Central Europe SBR Consumption by Type	7-40
7.17	SBR Capacity in Central Europe	7-41
7.18	Central Europe SBR Supply, Demand and Trade	7-43
7.19	Russia SBR Consumption by Type	7-45
7.20	Other Eastern Europe SBR Consumption by Type.....	7-47
7.21	SBR Capacity in Eastern Europe	7-48
7.22	Russia SBR Supply, Demand and Trade.....	7-50
7.23	Other Eastern Europe SBR Supply, Demand and Trade.....	7-51
7.24	Total Eastern European SBR Supply, Demand and Trade	7-52
7.25	Middle East SBR Consumption by Type	7-54
7.26	Middle East SBR Consumption by Country	7-55
7.27	SBR Capacity in the Middle East	7-56
7.28	Middle East SBR Supply, Demand and Trade	7-58
7.29	Africa SBR Consumption by Type.....	7-60
7.30	Africa SBR Consumption by Country	7-60
7.31	SBR Capacity in Africa	7-61
7.32	Africa SBR Supply, Demand and Trade.....	7-63
7.33	Asia Pacific SBR Consumption by Type	7-71
7.34	Asia Pacific SBR Consumption by Country	7-71
7.35	SBR Capacity in Asia Pacific	7-76
7.36	Asia Pacific SBR Supply, Demand and Trade	7-85
7.37	China SBR Supply, Demand and Trade	7-86
8.1	SB Latex Capacity in North America.....	8-4
8.2	SB Latex Capacity in South America	8-6
8.3	SB Latex Capacity in Western Europe.....	8-9
8.4	SB Latex Capacity in Central Europe.....	8-12
8.5	SB Latex Capacity in Eastern Europe.....	8-14
8.6	SB Latex Capacity in the Middle East	8-15
8.7	SB Latex Capacity in Africa.....	8-17

8.8	SB Latex Capacity in Asia Pacific	8-22
-----	---	------