


PTA and Polyester PET

Integrated Polyester complex: (PTA and Polyester PET)

	Product	Non captive volume, KTA	Total volume, KTA	Location	Driven By
Key metrics 	PTA	22	822	Rabigh	Growth for Polyester is expected to be driven by textiles, consumer, and industrial sectors
	Polyester (PET)	1000	1000		
	Total volume	1,022	1,822		

Value chain



Integrated case
x Raw Materials
 xxx DS intermediates / end products
 ➔ Sold to market
 xx Captive capacity
 xx Non-captive capacity



Raw Materials

MEG	320
Para-xylene	534

DS Intermediates

PTA	22	800
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DS End-products

Polyester (PET)	1,000
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Exemplary players

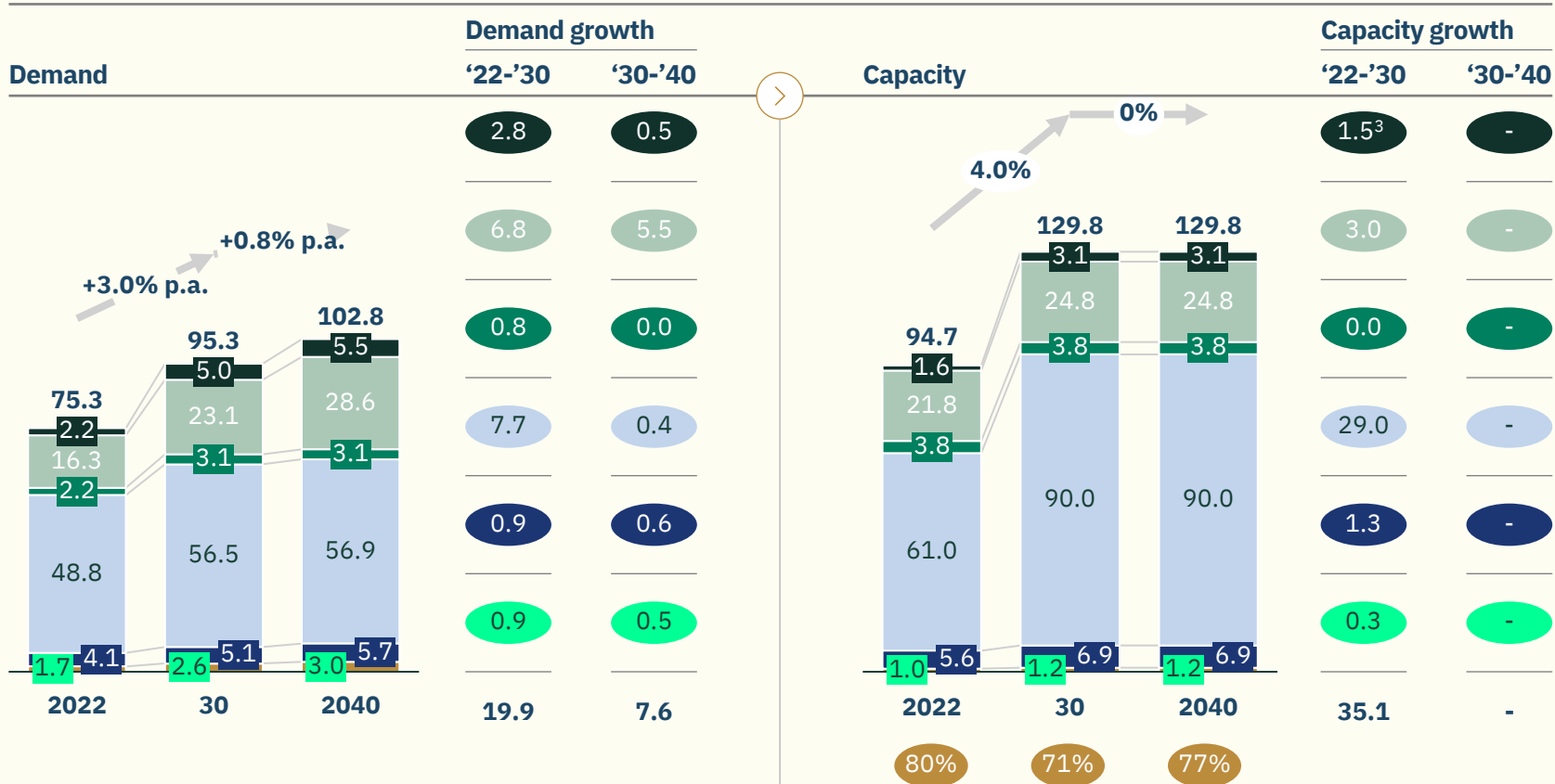


KSA can target 2.5 MTA for PTA, of which ~1.6 will be used captively and ~0.9 exported to Europe and Africa

xx% Estimated Utilization rate, %

■ Middle East¹
■ Europe
 ■ North America
■ Asia²
■ China
 ■ RoW

Global PTA demand / capacity, MTA



Key takeaways

- **Target market** for PTA is **local demand and exports**:
 - Local demand (for PET production) **~1.6 MTA**
 - **Export** could be to **Europe** (0.6 MTA), and **Africa** (0.3 MTA) based on addressable demand⁴
- Addressable demand in **Asia** will be **captured by** excess production in **China**

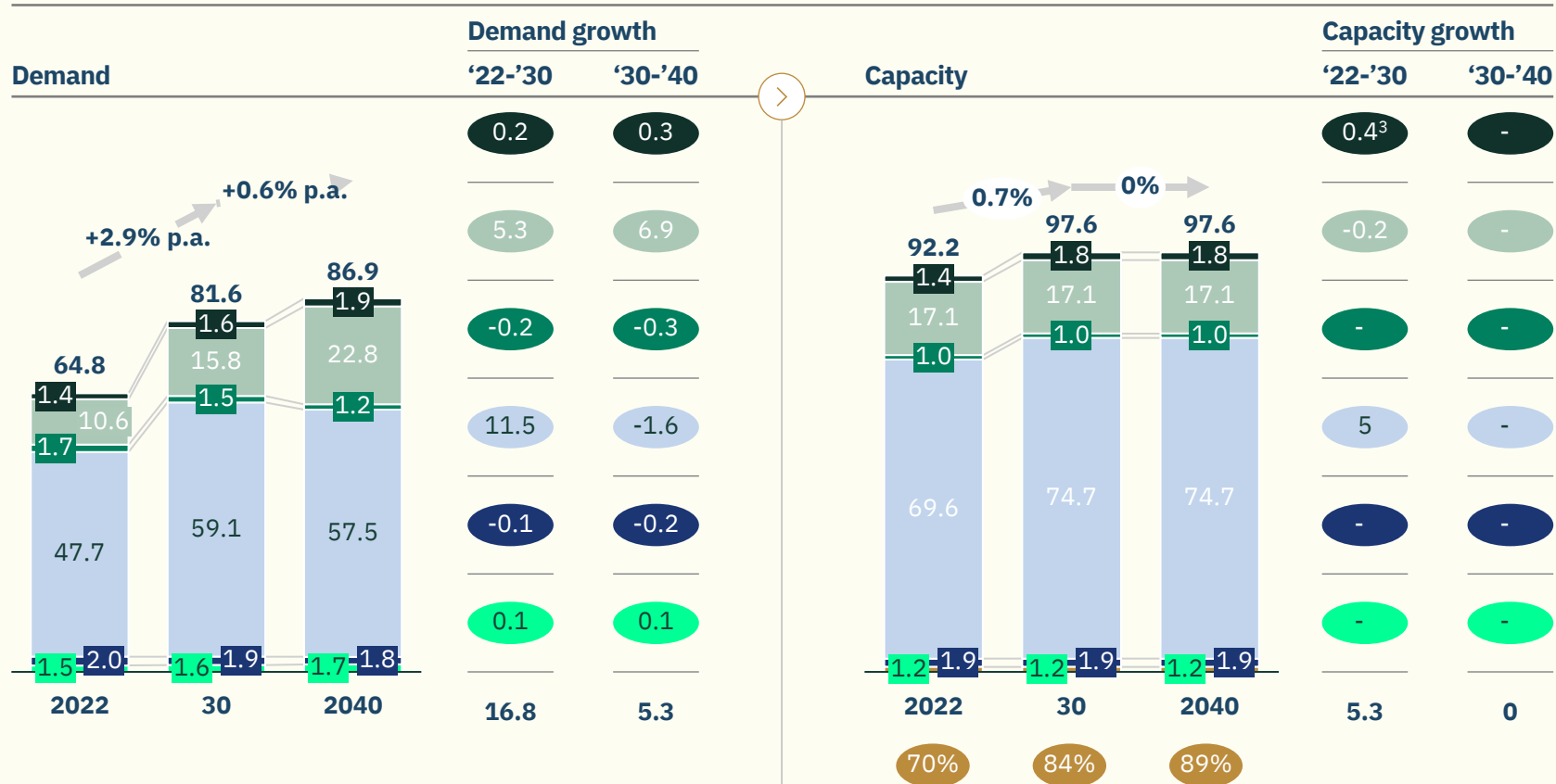
1. Includes Iran, Israel, Kuwait, Oman, Qatar, KSA, Syria, UAE, Turkey | 2. Excluding China | 3. 1.5 MTA Capacity expansion by SASA Polyester Sanayi (Turkey) in 2024 | 4. PTA demand from PET production is estimated to be 1.3 MTA | 4. Calculated as demand growth – capacity growth if demand growth > capacity growth, otherwise 0 (except for Middle East, where KSA growth can always be captured)

KSA can target 1.4 MTA for PET fiber for export to Asia

xx% Estimated Utilization rate, %

- Middle East¹
- Europe
- North America
- Asia²
- China
- RoW

Global virgin PET fiber demand / capacity, MTA



Key takeaways

- Target market for **PET fiber could be Asia** (excluding China) as demand growth is higher than capacity growth
- There are 2 scenarios, how Chinese producers operating rate might affect the available demand in Asia:
 - Scenario 1:** at 80% utilization rate for Chinese plants, the remaining addressable Asian market is **~4.7 MTA**
 - Scenario 2:** at 84% utilization – **~1.4 MTA** (selected as base case, as it is more conservative)
- Demand of recycled PET fiber is expected to grow** and capture PET fiber market share in Europe and NA

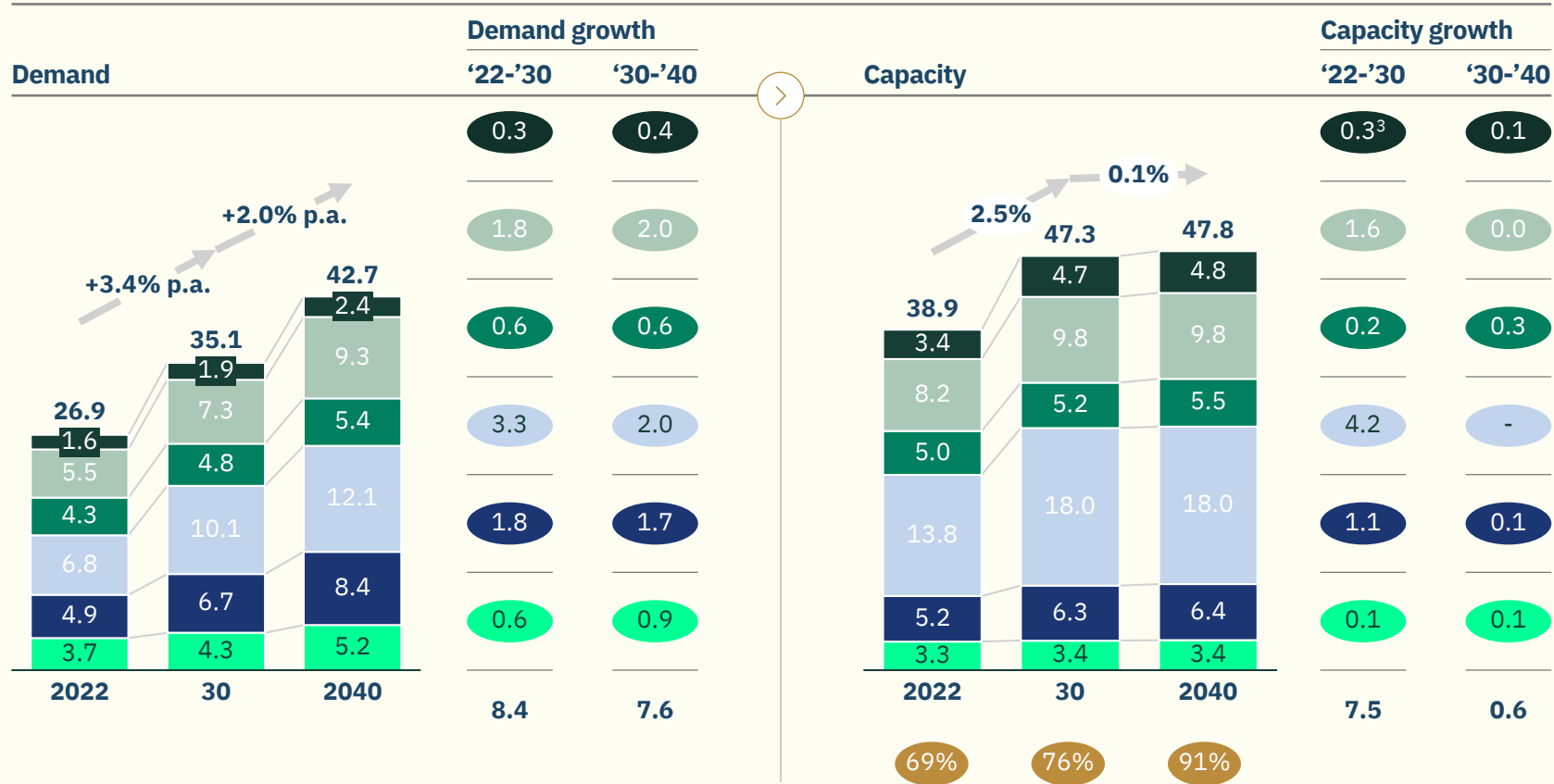
1. Includes Iran, Israel, Kuwait, Oman, Qatar, KSA, Syria, UAE, Turkey | 2. Excluding China | 3. Announced capacity by SASA polyester (400 KTA) in Turkey

KSA can target 0.4 MTA for PET resins for export to Asia, Europe and Africa

xx% Estimated Utilization rate, %

■ Middle East¹
■ Europe
 ■ North America
■ Asia²
■ China
 ■ RoW

Global virgin PET resins demand / capacity, MTA



Key takeaways

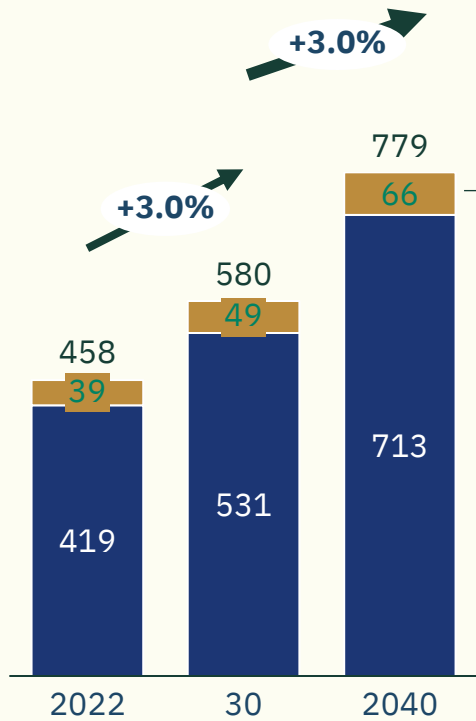
- **Target market** for PET resins could be **Asia, Europe** and **Africa** as demand growth is higher than capacity growth
- There are 2 scenarios, how Chinese producers operating rate might affect the available demand in Europe and Africa:
 - **Scenario 1:** at 70% utilization rate for Chinese plants, the remaining addressable European and African markets is **~1 MTA**
 - **Scenario 2:** at 76% utilization – **~0.4 MTA** (selected as base case, as it is more conservative)
- **Demand of recycled PET resins is expected to grow** and capture virgin PET resins market share

1. Includes Iran, Israel, Kuwait, Oman, Qatar, KSA, Syria, UAE, Turkey | 2. Excluding China | | 3. Announced capacity by SASA polyester (300 KTA) in Turkey

KSA demand growth for PET is expected to be driven by textiles, consumer, and industrial sectors

KSA PET fiber and resins demand projection, KTA

■ PET fiber ■ PET resins



1. Middle East share

Source: Internal analysis

Demand drivers

End market (application)	Demand outlook, KTA	CAGR '22-'30, %	CAGR '30-'40, %
5% → Textiles (e.g. fabrics, apparel)	22 28 38	3%	3%
3% → Consumer (e.g. mattresses, pillows)	15 19 26	3%	3%
>1% → Industrial (e.g. clear film packing)	1 2 2	6%	2%
92% → Consumer (e.g. water, juice, bottles)	419 531 713	3%	3%

xx% Share of demand covered by the application¹, %

Key takeaways

KSA represents <1% of global demand and expected to grow at **3.0% CAGR by 2030**

Afterwards the growth expected to be maintained until 2040

Key drivers of growth in KSA is:

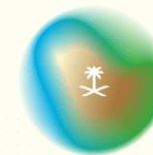
- **Textiles sector** with a 3% CAGR between 2022-30
- **Consumer sector** with a 3% CAGR between 2022-30
- **Industrial sector** with a 6% CAGR between 2022-30
- KSA demand is expected to grow slower than global (~3.0% KSA vs. 2.9% global CAGR '22-'30)

Size of the local market makes PET fiber an export-oriented investment case

Local growth of PET resins pre 2030 will be captured by Ibn Ruchd existing plant

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Thank You