

7.5

(MT/Y)

Total nominal capacity
Polymer Projects
of the petrochemical
industry



Polymer
Complexes &
Projects
in Iran's Petrochemical
Industry

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Ongoing Polymer Projects by 2028

Chabahar

1,270

Kimia Sanat Mabna Co. GTPO (Train 2)
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 225
Product: Polypropylene
Nominal Capacity (KT/Y):410

Kimia Sanat Mabna Co. GTPO (Train 1)
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 225
Product: Polypropylene
Nominal Capacity (KT/Y):410

Parsian

680

Petro Kimia Qeshm
Product: Polypropylene
Nominal Capacity (KT/Y): 120

Soroush Energy Paydar
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 250
Product: Polypropylene
Nominal Capacity (KT/Y):310

Mahshahr

507

Ehda Polymer Pak
Product: High-density/Low-density Linear
Polyethylene
Nominal Capacity (KT/Y): 36

Seraj Gostaran Rejal
Product: Polypropylene
Nominal Capacity (KT/Y): 291

Kosar Sanat Parsian Technical Engineering
Product: Polyol
Nominal Capacity (KT/Y): 100
Product: Super absorbent Polymer
Nominal Capacity (KT/Y):80

Other Regions

2,680

Arghavan Gostar Ilam- Ilam
Product: Polypropylene
Nominal Capacity (KT/Y): 150

Nikan Energy (Holeylan) - Ilam
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 200

Alvand Petrochemical Company- Arak
Product: Polypropylene
Nominal Capacity (KT/Y): 180

Gachsaran Polymer - Gachsaran
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Tabriz Petrochemical Company - Phase 2 -Tabriz
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Alay Mahestan- Kangan
Product: Polypropylene
Nominal Capacity (KT/Y): 450

Hazhir Sazeh Iranian- Kangan
Product: Low-density Polyethylene
Nominal Capacity (KT/Y): 200

Kangan Polyethylene- Kangan
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Soroush Mahestan - Kangan
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Negin Mahestan- Kangan
Product: Low-density Linear Polyethylene
Nominal Capacity (KT/Y): 90
Product: High-density Polyethylene
Nominal Capacity (KT/Y):210

Assaluyeh

2,356

Rayan Polymer Pooya
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Arya Sasol - Phase 2
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Bushehr Petrochemical Company
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Mehr Petro Kimia
Product: Polypropylene
Nominal Capacity (KT/Y): 450

Farsa Chimie
Product: Polyethylene Terephthalate
Nominal Capacity (KT/Y): 300

Kosar Sanat Parsian Technical Engineering
Product: ESBR
Nominal Capacity (KT/Y): 136

Kimiya Sanayeh Petro Entekhab
Product: Expanded Polystyrene
Nominal Capacity (KT/Y): 50

Dalahou Kimia Industries
Product: Polystyrene (Resistant, Graphite)
Nominal Capacity (KT/Y): 120

Tadbir Petrochemical Industries Development
Product: Polypropylene
Nominal Capacity (KT/Y): 300
Product: Super absorbent Polymer
Nominal Capacity (KT/Y):100

Polymer in Iran's Petrochemical Industry

The production of petrochemical products in Iran began in the early 1960s with the establishment of the Chemical Enterprise of the Country, later renamed the National Petrochemical Company. One of its first milestones was the operation of the Marvdasht Chemical Fertilizer Plant (Shiraz Petrochemical Company). From the outset, polymer production was recognized as a valuable sector due to its diverse applications and high added value. The first polymer produced in Iran was polyvinyl chloride (PVC), with an annual production of 36,000 tons at Abadan Petrochemical in 1970.

Strategic Importance of Polymer Production

Polymer production holds economic and industrial significance from two key perspectives:

1. Expansion of downstream industries, leading to job creation, technology transfer, and reduced reliance on imports.
2. Exports, which strengthen Iran's presence in global trade and enhance its international economic influence.

Growth and Future Prospects

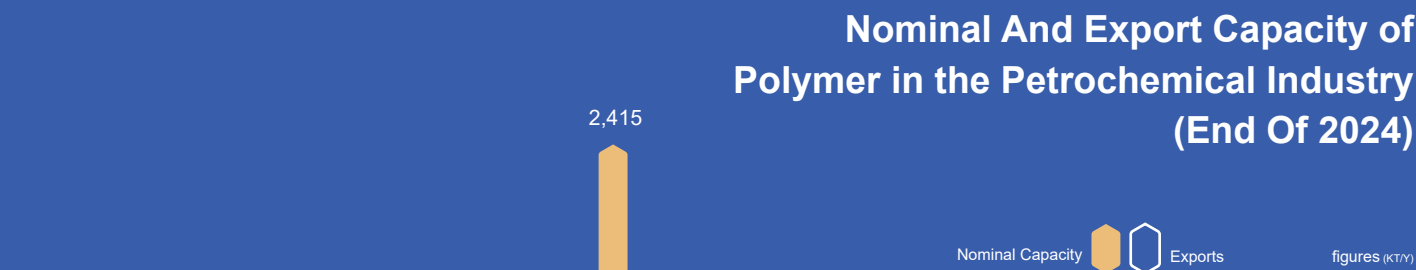
Considering both domestic and international market demand, the production of polymer products has expanded significantly. In 2024, Iran's polymer production capacity reached 9 million tons, out of a total petrochemical capacity of 96.6 million tons. With 26 ongoing polymer projects, this capacity is expected to rise to 16 million tons by 2028.

The study and planning for new polymer production units remain ongoing, signaling continued growth in the coming years. Iran is poised to witness a major leap in polymer production, further solidifying its role in the global petrochemical sector.

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Abbreviations

PGPIC: Persian Gulf Petrochemical Industries Company
TAPPICO: Tamin Petroleum & Petrochemical Investment Company
POGDC: Parsian Oil and Gas Development Company

Polymer Complexes (End of 2024)

Other Regions

2,641

Miandoab - Miandoab
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 140

Mahabad- Mahabad
Product: Linear low-density / high-density Polyethylene
Nominal Capacity (KT/Y): 300

Hegmataneh- Hamedan
Product: PVC (medical grade)
Nominal Capacity (KT/Y): 40

Polynar- Tabriz
Product: Polypropylene
Nominal Capacity (KT/Y): 110

Di Aria Polymer -Khomein
Product: Polypropylene
Nominal Capacity (KT/Y): 175

Ghaed Basir- Golpaygan
Product: ABS
Nominal Capacity (KT/Y): 36

Kermanshah Polymer -Kermanshah
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Ilam - Ilam
Product: High-density Polyethylene
Nominal Capacity (KT/Y): 300

Kordestan - Sanandaj
Product: Low-density Polyethylene
Nominal Capacity (KT/Y): 300

Lorestan - Khorram Abad
Product: Linear low-density / high-density Polyethylene
Nominal Capacity (KT/Y): 300

Tabriz- Tabriz
Product: Polystyrene (resistant, normal, expanded) - ABS- linear low-density/high-density polyethylene
Nominal Capacity (KT/Y): 269

Abadan- Abadan
Product: PVC suspension
Nominal Capacity (KT/Y): 110

Shazand (Arak)-Arak
Product: Polypropylene - high-density polyethylene - high-density/low-density linear polyethylene - polybutadiene rubber
Nominal Capacity (KT/Y): 261

Mahshahr

3,880

Arvand
Product: PVC suspension - PVC emulsion
Nominal Capacity (KT/Y): 340

Takht-e-Jamshid
Product: Synthetic Rubber (PBR-SBR).
Nominal Capacity (KT/Y): 92

Rejal
Product: Polypropylene
Nominal Capacity (KT/Y): 180

Shahid Tondguyan
Product: PolyethyleneTerephthalate (Bottle and Fibers grade)
Nominal Capacity (KT/Y): 888

Khuzestan
Product: Liquid and solid epoxy resin - Polycarbonate
Nominal Capacity (KT/Y): 35

Ghadir
Product: PVC suspension
Nominal Capacity (KT/Y): 120

Laleh
Product: Low-density Polyethylene
Nominal Capacity (KT/Y): 300

Marun
Product: High-density polyethylene - Polypropylene
Nominal Capacity (KT/Y): 600

Navid Zarshimi
Product: Polypropylene
Nominal Capacity (KT/Y): 160

Amir Kabir
Product: High-density polyethylene - low-density polyethylene - linear high-density/low-density polyethylene
Nominal Capacity (KT/Y): 700

Basparan-Bandar Imam
Product: ity polyethylene - low-density polyethylene - syntheticrubber - PVC suspension
Nominal Capacity (KT/Y): 465

Persian Gulf

Assaluyeh

2,850

Arya Sasol Polymer
Product: Low-density polyethylene - medium/high-density polyethylene
Nominal Capacity (KT/Y): 750

Jam Polypropylene
Product: Polypropylene
Nominal Capacity (KT/Y): 300

Jam
Product: High-density polyethylene –high-density/low-density linear polyethylene
Nominal Capacity (KT/Y): 600

Mehr
Product: High-density polyethylene
Nominal Capacity (KT/Y): 300

Entekhab
Product: Expanded polystyrene (ESP)
Nominal Capacity (KT/Y): 250

Takht-e-Jamshid Pars
Product: Graphite Polysyrene (GPS)
Nominal Capacity (KT/Y): 65

Pad Jam Polymer Co
Product: ABS-SB-LCBR
Nominal Capacity (KT/Y): 260

Total nominal capacity Polymer Complexes of the petrochemical industry

9

(MT/Y)



Ongoing Polymers Projects in the Petrochemical Industry by 2028

26 Projects

Number of Polymers Complexes in 2002

3 Complexes

Number of Polymers Complexes in 2024

31 Complexes

Growth of Polymer Products in Iran's Petrochemical Industry

Growth of Polymers products/year figures (KT/Y)

