



PKN ORLEN PRODUCT OFFER

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Application



Sales Representative



Propylene is used for manufacturing organic chemicals such as polypropylene, acrylonitrile, propylene oxide and OXO alcohols, as well as in a wide variety of industrial products.



Inland sales

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Coast sales

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Ethylene

Ethylene is used for manufacturing polymers such as polyethylene (PE), polyethylene terephthalate (PET), polyvinyl chloride (PVC) and polystyrene (PS), as well as fibres and other organic chemicals.



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Ethylene oxide

Ethylene oxide is used for manufacturing ethylene glycols, polyether polyols, ethanolamines, ethoxylates, and other organic syntheses.



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Ethylene glycol

Ethylene glycol is used for manufacturing polyester, which is subsequently used in the production of fibres, films, solid-state resins and other consumables. Additionally, ethylene glycol is used for manufacturing antifreeze fluids.



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Diethylene glycol

Diethylene glycol is mainly used for manufacturing polyurethanes and unsaturated polyester resins. Additionally, diethylene glycol is used for manufacturing antifreeze fluids.

Triethylene glycol

Triethylene glycol is used for the dehydration of natural gas and natural gas liquids and for the production of plasticisers used in the production of polyvinyl butyral (PVB) polymers.

Polyethylene glycol

Polyethylene glycol is used for manufacturing antifreeze fluids and for increasing the viscosity of specialised liquids.



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Biobased propylene glycol

Biobased propylene glycol is used for manufacturing polyester resins, cosmetics and personal care products, liquid detergents, functional fluids and antifreeze.



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Benzene--toluene fraction Benzene-toluene fraction is used as a solvent in the paint and varnish industry, a component of motor fuels, and for the separation of benzene and toluene.









Application



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Benzene is used as an intermediate in the production of cyclohexane, ethylbenzene, cumene, nitrobenzene and other organic synheses.



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Phenol

Acetone

Phenol is mainly used for manufacturing bisphenol A (BPA), phenol formaldehyde resins and caprolactam. In addition, phenol is used for manufacturing alkylphenol and other chemicals.

Acetone is mainly used for manufacturing methyl methacrylate

(MMA) and bisphenol A (BPA). In addition, acetone is used

as a solvent in the paint and varnish industry.



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Para-Xylene

Para- Xylene is used for manufacturing purified terephthalate acid (PTA) and dimethyl terephthalate (DMT), which are used for manufacturing polyethylene terephthalate (PET), polyester fibres, polyamide fibres and films.



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Purified terephthalic acid PTA Purified terephthalic acid (PTA) is used for manufacturing polyethylene terephthalate (PET), polyester fibres, polyamide fibres, films and plasticizers (DOTP).



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Butadiene

Butadiene is mainly used for manufacturing organic chemicals such as polybutadiene rubber (PBR), styrene butadiene rubber (SBR), acrylonitrile butadiene styrene (ABS) resins, styrene butadiene latexes (SBL) and adiponitrile, as well as many other industrial products.



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Liquefied nitrogen

Liquefied nitrogen is used as an inert gas to create a safe atmosphere in the food, glass, electrical and chemical industries. Additionally, liquefied nitrogen is used as a refrigerant in cryogenic freezing.



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Liquefied oxygen

Liquefied oxygen is used in combustion processes requiring an oxygen enriched atmosphere in the refining, glass and steel industries. Additionally, liquefied oxygen is used in medicine, fish farming, the chemical industry and sewage treatment plants.



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Sulfur

Sulfur is used for manufacturing sulfuric acid, CS2 and sulfur dyes. Additionally, sulfur is used for the vulcanization of rubber and in the pulp and paper industry.