



SEPANTA PISHEH PASARGAD

Manufacturer of engineering polymers



THERMOPEX®

- Pioneer in producing thermoplastic elastomers (TPE) in Iran via THERMOPEX commercial brand.
- Pioneer in producing thermoplastic vulcanizates (TPV) in Iran via THERMOPEX commercial brand.
- The first and only producer of thermoplastic polyurethane (TPU) in Iran via THERMOPEX commercial brand.
- Supplier of different Polyamide based compounds.
- Producer and supplier of different Polypropylene and Polyethylene based compounds.
- Producer and supplier of various softener and engineering impact modifiers.

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THERMOPEX®

Thermoplastic Elastomers are great alternatives to thermoset rubbers. These materials can be processed like thermoplastics and their good processability allows the production of extruded and injection-molded parts with complex shapes. The main advantages of thermoplastic elastomers over common rubbers are as follows:

- No curing or vulcanization is needed during the process
- Fast and simple processing for injection molded parts
- Faster molding cycle
- Less energy consumption for final product
- Easily recyclable
- Easily dyed and colored with regular masterbatches



SEPANTA PISHEH PASARGAD produces and supplies thermoplastic elastomers with a wide range of hardness from 0 to 95 shore A, as well as Shore D, via THERMOPEX commercial brand, as follows:

- Thermoplastic Elastomers based on SEBS (THERMOPEX TE)
- Thermoplastic Elastomers based on SBS (THERMOPEX TS)
- Thermoplastic Vulcanizates based on PP/EPDM (THERMOPEX TV)
- Thermoplastic Polyurethanes (TPU), (THERMOPEX TU)
- Softeners and impact modifiers for polymers.
- Various engineering compounds of Polyamides.
- Various engineering compounds based on Polypropylene and Polyethylene.

SEPANTA PISHEH PASARGAD Company is ready to produce and provide various thermoplastic engineering compounds for different industrial applications via a knowledge-based approach.

The main activity of SEPANTA PISHE PASARGAD company is the production of various thermoplastic elastomers (TPE, TPV, TPU, TPR) based on SEBS, SBS, EPDM, and polyurethane, which are provided via the **THERMOPEX** commercial brand. We are happy to announce that THERMOPEX is the pioneer in production of various kinds of TPEs in Iran. Our long - term goal is set for the global market and we are looking forward to export our engineering products. We are also provider of various grades of PA6 and PA66 under the brand of SEPAMID for different fields of industries.



ISO 9001/2015



ISO/TS 29001/2010



CE



Applications of TPU:

- Pneumatic hoses
- Traffic equipment
- Air Max shoe soles
- Car bellows
- Various flexible industrial parts with excellent strength



THERMOPEX in the Automobile Industry:

- Pedal and gear covers
- Airbag and dashboard coatings
- Automobile spark plug wires
- Soft and rubbery covers of car keys
- Gearbox and axle shaft boots
- 3D car floor mats
- Automobile air tube and fuel hose jackets
- Car accessories and decorative items
- Waterproof sealing gaskets for automobile windows, doors, trunks, hood, and headlights
- THERMOPEX products can also improve the impact properties of car bumpers and spoilers if used in the compound formulation



THERMOPEX in the Home and Kitchen Industry:

- Soft cover of chair handles, Chair and furniture leg guards and brakes, All kinds of gaskets
- O-rings and washers of tubs, taps, and showers
- Floor coverings, Lids of food and spice containers, Rubber covers
- Vacuum cleaner accessories (such as the hose), Tray brakes, Rubber strips around cutting boards
- Freezer molds, Soft and rubbery parts of electric items, Flask washers and lids
- Freezer and refrigerator door gaskets, Windows and doors gaskets
- Soft touch handles of kitchen utensils, Baby spoons, Folding baskets, Lids of easy-open containers



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THERMOPEX in the Sport Equipment Industry:

- Pilates rings
- Exercise rings
- Mountain climbing canes
- Resistance bands
- Bicycling equipment
- Badminton racket handles
- Watch bands, Water bottles
- Yoga balls, Sport mats
- Soft touch handles of tennis rackets
- Skate and scooter wheels
- Diving and swimming equipment

THERMOPEX in the Electrical Industry:

- Phone cases
- Wire and cable jackets
- Wire and cable organizers
- Soft touch parts of industrial and electrical tools
- Sockets, charger jackets, and soft and rubbery headphone parts
- Polyamide, Polystyrene, Polycarbonate, and Polypropylene softeners
- Waterproof rubber gaskets of fuse boxes, industrial keys, and high voltage buttons
- Rubber covers of industrial keys and plugs, ohm-meter cover and switch control covers
- Various kinds of rubber nuts



THERMOPEX in the Health and Medical Equipment:

- Toothbrush handles, Soft and rubbery toothbrushes, Finger tooth brushes for newborns
- Pacifiers, Baby milk bottles, Milking pumps, Nasal aspirators for babies
- Syringe gaskets
- Tourniquets, Armbands, Softener for cupping machine cups
- Suction tubes
- Soft and rubbery parts of orthopedic and physiotherapeutic tools
- Soft touch handles of razors and hairbrushes
- Sanitary pads and therapeutic shoe insoles
- Medical canes



THERMOPEX in the Shoe and Bag Industries:

- Therapeutic shoe soles
- Bag and shoe accessories
- Shoe soles, midsoles, and insoles



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	Product Name	Description
SBS Based TPE	T ₂ S 35A43GNO	Soft Thermoplastic Elastomer suitable for shower head elastomers and many injection molded parts (Compatible with ABS)
	T ₁ S 60A53GTO	Light, transparent thermo shoe sole material, very high durability and quality, with coconut and orange aromas
	T ₁ S 65A43GB	Black thermo shoe sole material, high durability and quality, with coconut and orange aromas
	T ₂ S 50A33GNO	Thermoplastic Elastomer with a hardness of 50A, softener and impact modifier for ABS, suitable for household parts
SEBS Based TPE	TE ₃ 20A40BTO	Super tough TPE material with very high flexibility, 20 A hardness, suitable for the production of very soft injection molded parts, compatible with polyolefins
	TEK ₉ 35A26GNO	Softener and impact modifier, specifically for polyamides, with very high melt flow index and UV resistance
	TE ₃ 40A40GTO	Transparent Thermoplastic Elastomer with high chemical resistance, suitable for producing injection molded parts, sealants, and soft lids of cosmetic and hygienic items, compatible with polyolefin
	TE ₃ 40A44GNO	Transparent Thermoplastic Elastomer with high chemical resistance, suitable for producing injection molded parts, sealants, and soft lids of cosmetic and hygienic items, compatible with polypropylene (Economical Grade)
	TE ₃ 40A20BTO	Extremely flexible Thermoplastic Elastomer, extrusion grade, suitable for very soft sport and hygienic items' parts
	TE ₃ 55A40GTO	Transparent softener and impact modifier for polyolefins, suitable for producing the Soft Touch grip of toothbrushes
	TE ₃ 60A34GNO	Softener and impact modifier, suitable for polycarbonate
	TE ₃ 65A27GB	Extrusion grade Thermoplastic Elastomer, hardness 65A, with excellent weather and UV resistance, suitable for window gaskets
	TE ₃ 85A40GTO	Thermoplastic Elastomer with convenient processability to produce injection molded parts used in traffic accessories, industrial wheels, and hard and flexible injection molded parts
EPDM Based TPV	TV 45A22GNO	TPV material, hardness 45A, with excellent chemical resistance and flexibility, suitable for injection and extrusion, compatible with polypropylene
	TV 55A22GNO	TPV material, hardness 55A, with excellent chemical resistance and flexibility, suitable for injection and extrusion, suitable for electrical and auto industries
	TV 85A22GB	TPV material, with excellent chemical and weather resistance and high flexibility, very high reversibility, suitable for extrusion blow molding used in the production of axle boots and fuel hose jackets
TPU	TU90A36	Thermoplastic Polyurethane, hardness 90A, Suitable for extrusion and blow molding, suitable for producing high pressure hoses, profiles and car bellows
	TU85A66	Thermoplastic Polyurethane suitable for injection, suitable for producing traffic cylinder and many industrial parts

- We would like to mention that THERMOPEX products are produced in the 0A to 70D hardness range, and the above list only includes our most demanded grades.

TPE

Thermoplastic Elastomers

TPV

Thermoplastic Vulcanizates

TPU

Thermoplastic Polyurethanes

TPO

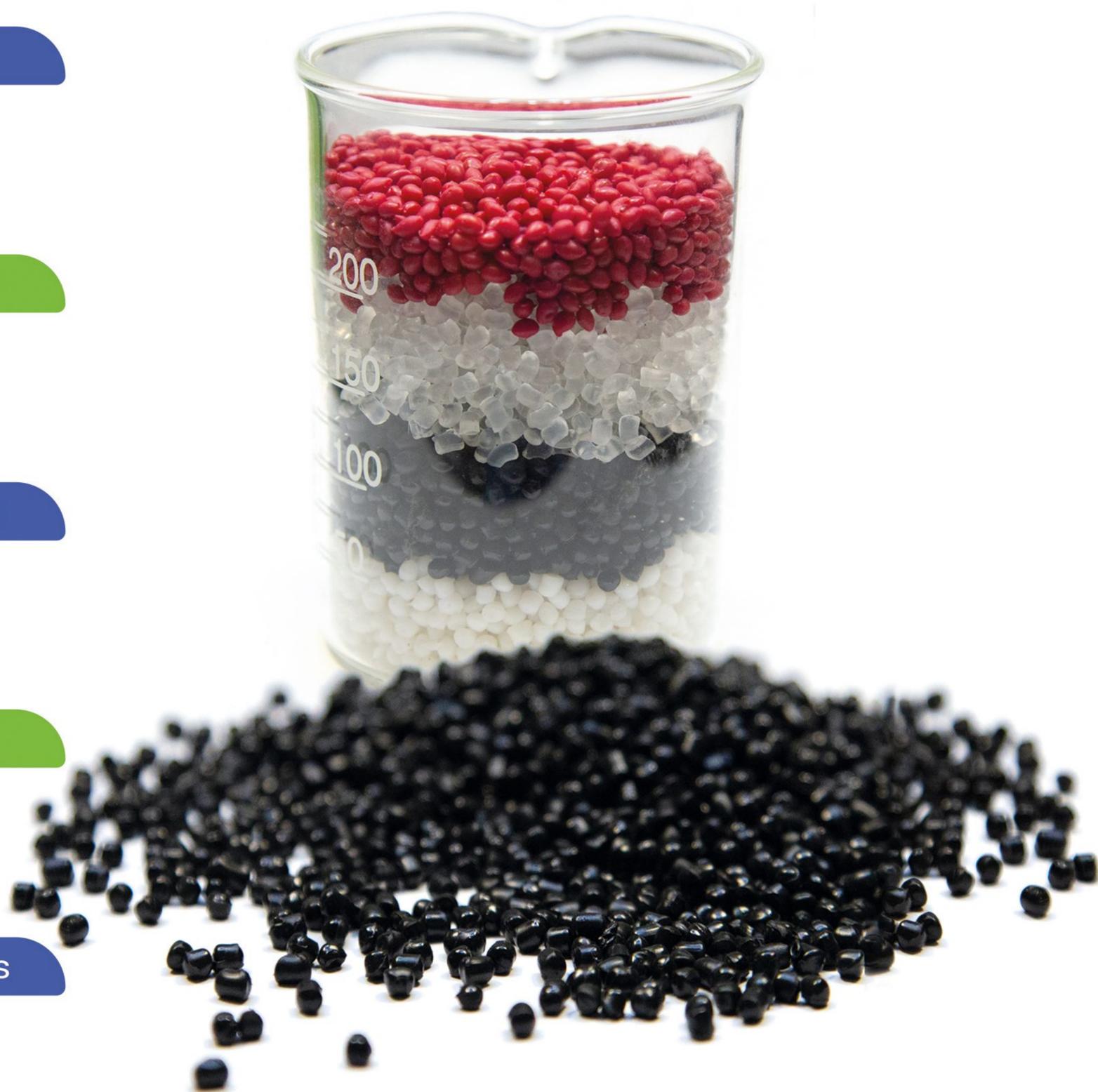
Thermoplastic Polyolefins

PA

Different blends of Polyamides

PP

Polypropylene based blends



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Factory:

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industrial town, Qom highway, Tehran, Iran