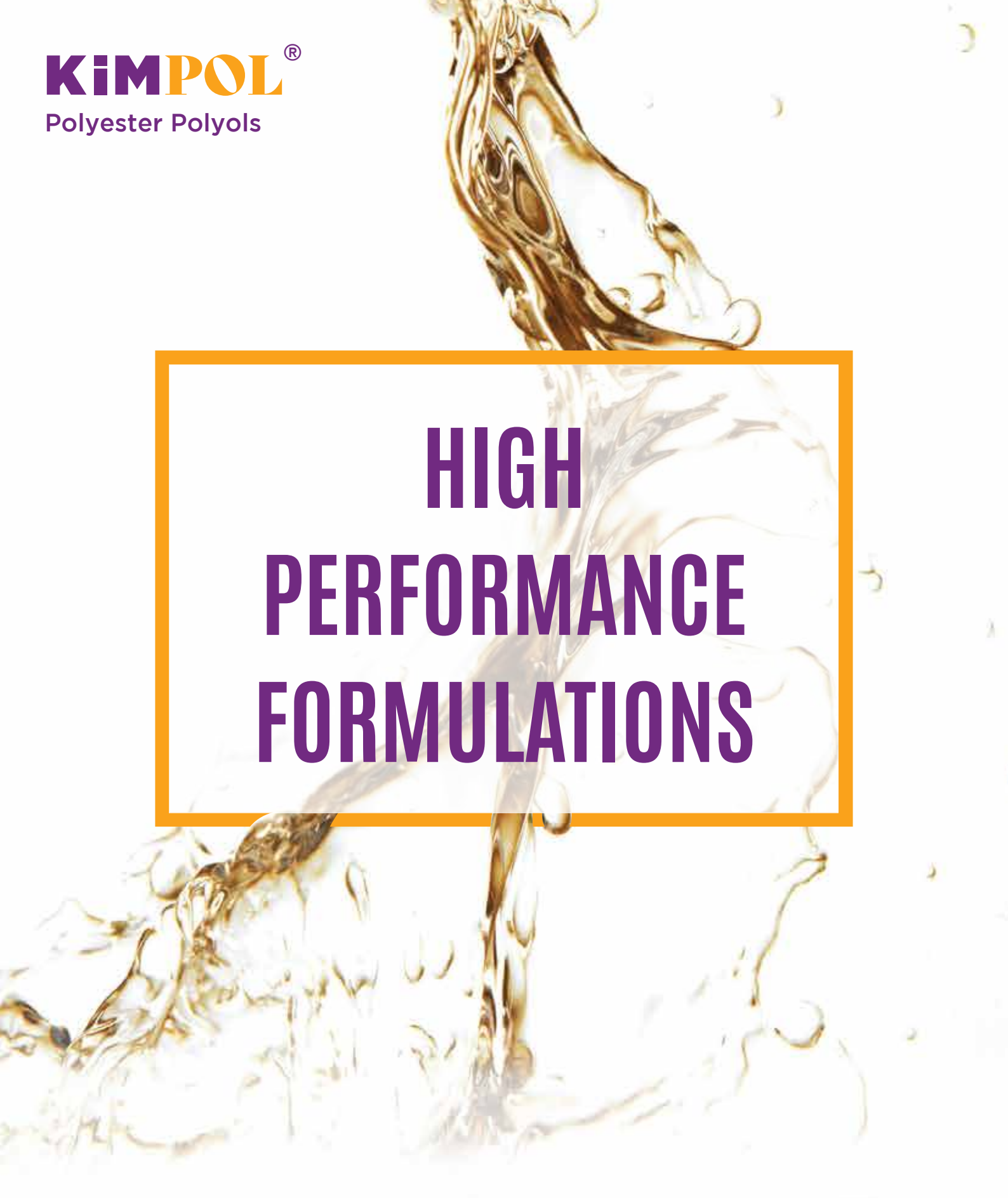


KiMPOL[®]

Polyester Polyols



**HIGH
PERFORMANCE
FORMULATIONS**



KIMPUR

Polyester Polyols

Polyester polyols are produced by the condensation reaction of dicarboxylic acids and glycols. Various monomer combinations and molecular weight selection of polyester polyols ensure superior mechanical properties for the polyurethane systems. **Kimpur** is aware that there is a need for variety of high performance solutions to improve your products.

Therefore, **Kimpur** produces **KiMPol**[®] Polyester Polyols which stem from combinations of multifunctional carboxylic acids & polyhydric alcohols, phthalic anhydride, and various functionalities with molecular weights for the best solution to industries including footwear industry (system component), paint industry, foam, elastomer and insulation industries (rigid foam applications).

Kimpur can fine tune polyester polyols depending on the properties.



MAIN APPLICATIONS:

- ◆ Polyurethane systems for footwear industry
- ◆ Flexible and rigid foams
- ◆ Castings elastomers and TPU
- ◆ Polyurethane coatings
- ◆ Polyurethane adhesives



KiMpol[®] Polyester Polyols have superior advantages to take your products to next level.

ADVANTAGES

- They can be tailor made for the properties requested
- Synthesized with high purity monomers
- Produced at high technology reactors
- Reliable product quality
- Broad product range for diverse applications

Kimpur produces **KiMpol**[®] Polyester Polyols for the variable industries including footwear, flexible and rigid foam.

POLYESTER POLYOLS				
	Material Name	Description	OHV (mg KOH/g)	Viscosity (mPa.s)
Polyester Polyols for Footwear Systems	KIMPOL PE 001	Linear Aliphatic Polyester Polyol	52-58	3500-4000
	KIMPOL PE 002	Branched Aliphatic Polyester Polyol	59-65	950-1100
	KIMPOL PE 005	Linear Aliphatic Polyester Polyol	53-59	2800-3300
	KIMPOL PE 026	Branched Aliphatic Polyester Polyol	44-48	1450-1750
	KIMPOL PE 033	Branched Aliphatic Polyester Polyol	54-60	2800-3300
	KIMPOL PE 034	Linear Aliphatic Polyester Polyol	50-56	675-775
	KIMPOL PE 041	Branched Aliphatic Polyester Polyol	56-60	3500-4000
	KIMPOL PE 044	Branched Aliphatic Polyester Polyol	54-60	5600-6400
	KIMPOL PE 045	Branched Aliphatic Polyester Polyol	55-61	4500-5000
	KIMPOL PE 046	Mixture of Polymeric and Branched Polyester Polyol	54-58	2800-3200
	KIMPOL PE 047	Mixture of Polymeric and Branched Polyester Polyol	52-58	3100-3700
	KIMPOL PE 048	Hydrolysis-resistant Branched Aliphatic Polyester Polyol	56-60	2750-3250
	KIMPOL PE 056	Branched Aliphatic Polyester Polyol	56-60	3500-4000
	KIMPOL PE 059	Branched Aliphatic Polyester Polyol	39-45	5750-6250
	KIMPOL PE 072	Branched Aliphatic Polyester Polyol	50-56	5600-6300
	KIMPOL PE 074	Linear Aliphatic Polyester Polyol	35-39	8550-9050
KIMPOL PE 089	Fully aliphatic linear adipic acid based polyester polyol	44-48	1200-1800	
Polymeric Polyester Polyols for Footwear Systems	KIMPOL PE 016	Branched Polymeric Polyester Polyol	53-59	1800-2400
	KIMPOL PE 022	Linear Polymeric Polyester Polyol	50-56	1600-2000
	KIMPOL PE 024	Branched Polymeric Polyester Polyol	60-68	2300-2900
	KIMPOL PE 077	Branched Polymeric Polyester Polyol	76-80	1800-2200
Polyester Polyols for Flexible Foam Systems	KIMPOL PE 002	Branched polyester polyol for slabstock foam production	59-65	900-1100
	KIMPOL PE 034	Suitable for cast elastomer development	50-56	675-775
	KIMPOL PE 039	Branched polyester polyol for slabstock foam production	58-62	17000-21000
	KIMPOL PE 040	Branched polyester polyol for slabstock foam production	58-62	22000-25500
Polyester Polyols for Case Applications	KIMPOL PE 065	Linear polyester polyol for adhesive and elastomer production	84-93	2800-3600
	KIMPOL PE 085	Branched polyester polyol for slabstock foam production	205-225	580-780

POLYESTER POLYOLS				
	Material Name	Description	OHV (mg KOH/g)	Viscosity (mPa.s)
Aromatic Polyester Polyols for Rigid Application	KIMPOL PE 003	General purposes rigid polyester polyol. Suitable to formulate spray and panel systems	305-325	2500-3000
	KIMPOL PE 035	Excellent resistance to fire. Specially designed for PIR panels or blocks production.	250-270	1800-2200
	KIMPOL PE 036	High Pentane compatible polyester polyol, suitable to formulate PIR/PUR panels and spray systems.	200-220	2300-2700
	KIMPOL PE 038	High fire resistance properties with improved pentane compatibility and mechanical properties	230-250	11000 - 14000
	KIMPOL PE 042	General purpose rigid polyester to improve pentane compatibility	180-200	7000-8000
	KIMPOL PE 043	High fire resistance properties with excellent mechanical properties	300-330	2900-3500
	KIMPOL PE 051	High Pentane compatible polyester polyol, suitable to formulate PIR/PUR panels and spray systems.	230-250	2300-2700
	KIMPOL PE 051-S	High Pentane compatible polyester polyol, suitable to formulate PIR/PUR panels and spray systems.	225-245	2300-2700
	KIMPOL PE 067	General purpose with high mechanical properties	295-315	10000-14000
	KIMPOL PE 073	General purposes rigid polyester polyol. Suitable to formulate spray and panel systems	230-250	8000-12000
	KIMPOL PE 078	General purposes rigid polyester polyol. Suitable to formulate spray and panel systems	250-270	3300-4200
	KIMPOL PE 079	Adhesion promoter for rigid applications. Used in combination with other rigid polyesters.	185-205	850-950
	KIMPOL PE 080	Adhesion promoter containing recycled raw material for rigid applications. Used in combination with other rigid polyesters.	185-205	850-950
	KIMPOL PE 084	General purposes rigid polyester polyol. Suitable to formulate spray and panel systems	230 - 250	3000-3500
	KIMPOL PE 086	High functional rigid polyester for general purpose application.	515-535	4500-5500
	KIMPOL PE 087	High functional rigid polyester for general purpose application.	345-365	4500-5500
	KIMPOL PE 088	General purposes rigid polyester polyol. Suitable to formulate spray and panel systems	180-200	4500-5500
	KIMPOL PE 090	General purposes rigid polyester polyol. Suitable to formulate spray and panel systems	230-250	12500-14500
	KIMPOL PE 091	High fire resistance properties with excellent mechanical properties	230-250	2500-3200
	KIMPOL PE 092	High functional and fire resistance rigid polyester for general purpose application.	515-535	4500-5500
KIMPOL PE 093	High functional and fire resistance rigid polyester for general purpose application.	295-315	4200-4800	
KIMPOL PE 094	High fire resistance properties with improved pentane compatibility and mechanical properties	295-315	10000-14000	
KIMPOL PE 095	High fire resistance properties with improved pentane compatibility and mechanical properties	255-275	10000-14000	
KIMPOL PE 096	High functional and fire resistance rigid polyester for general purpose application.	360-380	5500-7500	
KIMPOL PE 097	High functional and fire resistance rigid polyester for general purpose application.	180-200	5000-7000	
KIMPOL PE 098	High fire resistance properties with excellent mechanical properties	275-395	7500-10000	

POLYESTER POLYOLS				
	Material Name	Description	OHV (mg KOH/g)	Viscosity (mPa.s)
Bio-Polyols for Rigid Application	KIMPOL PE 061	Bio-based polyol with high functionality and bio-content	295-325	4000-4500
	KIMPOL PE 062	Bio-based polyol with high functionality and bio-content	410-430	3200-4000
	KIMPOL PE 063 CL	Bio-based crosslinker to boost curing and reactivity	500-530	4500-4800
Polyester Polyols for OCF Application	KIMPOL PE 003	General purposes rigid polyester polyol. Suitable to formulate spray and panel systems	305-325	2500-3000
	KIMPOL PE 054	Modified polyester with very low reactivity and high shelf life stability	170-190	3500-4000
	KIMPOL PE 075	Standard polyester for OCF with balanced properties. Good for high flame resistance products.	180-200	2800-3200
	KIMPOL PE 078	General purpose polyester can be used in OCF to improve flame resistancy and mechanical properties	250-270	3300-4200

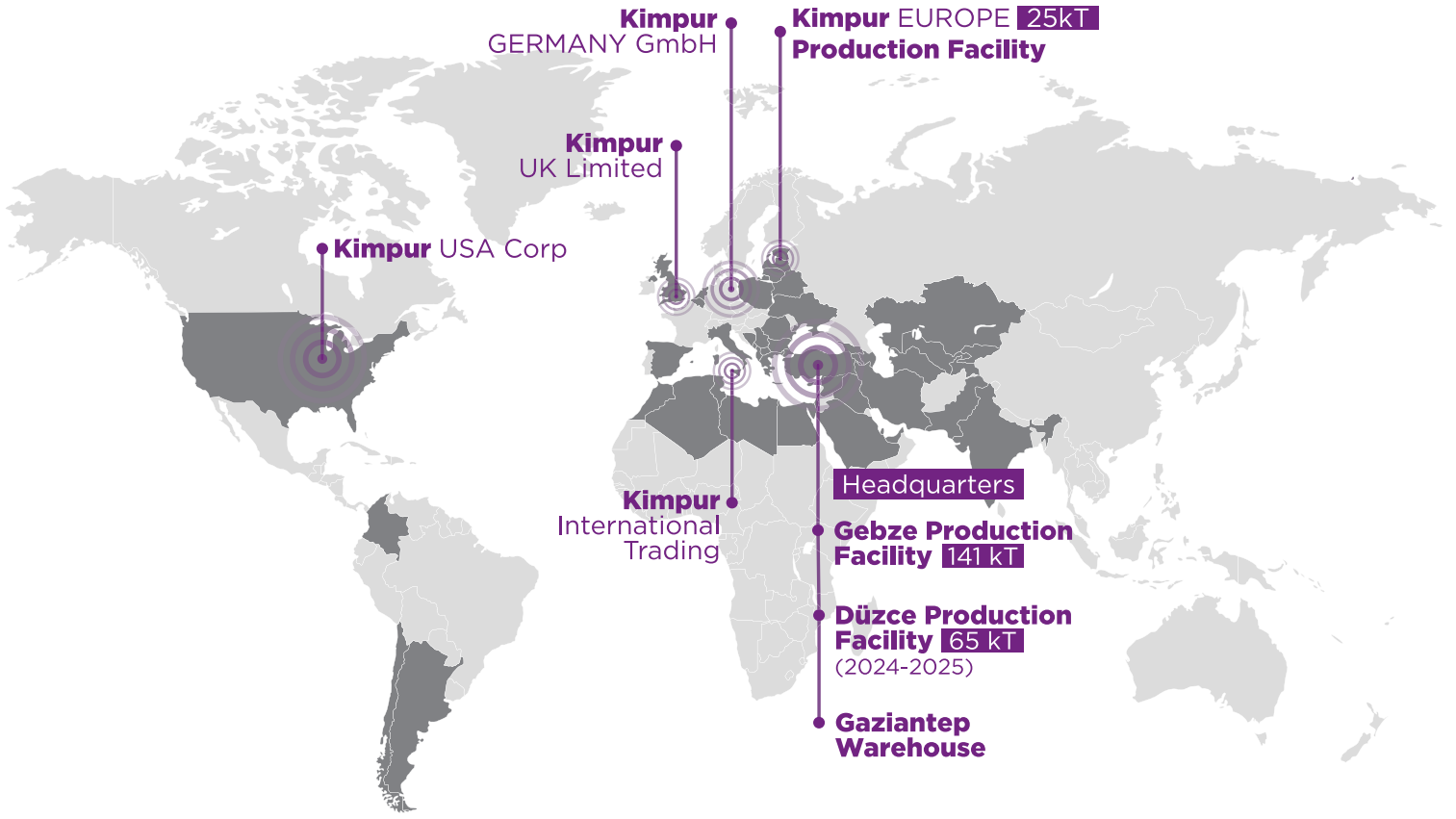
For the selection of the most suitable systems for your products and processes, more detailed information about the products and TDS, MSDS documents, please contact our Sales Office.



TÜRKİYE'S LARGEST POLYURETHANE SYSTEM HOUSE

Kimpur is the polyurethane system house with the largest capacity in the region, with a production capacity exceeding 200,000 tons. It leads the sector by exporting to more than 50 countries on 5 continents. Polyurethane systems produced; It is used in different sectors such as shoes, automotive, furniture, heating and cooling, insulation-construction and defense industry.

GLOBAL ACTIVITIES



United Nations
Global Compact



Kimpur Corporate Promotional Film
[Click to watch](#)





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KİMPUR



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LEGAL INFORMATION

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