



TURKIM POLYESTER

TURKIM POLYESTER CATALOG

Turkim Polyester delivers high-performance polyester resins and gelcoats engineered for durability, efficiency, and superior surface quality. From construction and transportation to sanitary ware, automotive, and marine applications, our solutions combine strength, aesthetics, and long-lasting resistance for reliable composite production.

Since our establishment, we have continuously improved our production standards and added value to the industry through our innovative approach, with the goal of becoming a reliable solution partner in global markets.

Thanks to our advanced production infrastructure, rigorous quality control processes, and experienced team, we provide high-performance polyester resin solutions tailored to the needs of various industries.

We take pride in delivering our products safely to many parts of the world through our strong export capabilities and international partnerships.

The products presented in this catalog have been developed in line with the principles of high quality and performance.

Our aim is not only to supply products, but also to create long-term value for our business partners through reliable and effective solutions.

TURKIM POLYESTER

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POLYESTER RESIN

CASTING TYPE POLYESTER RESIN

This resin series are used for casting purpose applications like bathtubs, wash basins, kitchen countertops etc. Suitable for casting artificial marble and solid surface processing.

- High filler capacity and Low shrinkage.
- Economical resins that leaves elegant appearance on the final product.
- Good mechanical properties.
- Providing smooth and shiny surfaces.

Modifications:
CO: Accelerated
UV: Contains UV Stabilizers
LSE: Low Styrene Emission
HV: High Viscosity
LV: Low Viscosity
SV: Special Viscosity

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
T-01	Ortho	400 -600 @25 °C 3 Sp. 20 rpm	4 – 8	@ 20°C % 0,2 Co Oct(6% sltn) %2 MEK-P (ButanoxM60)	High filler capacity and Low shrinkage.	Casting

GENERAL PURPOSE POLYESTER RESIN

This resin series are used for all general purpose applications with Hand lay-up and spray-up applications. They are designed for manufacturing the parts of building and construction, transportation and industrial applications.

- Offer rapid and efficient wet-out.
- Have excellent mechanical properties, with good rigidity and dimensional stability.
- Suitable for use in hand lay-up, spray-up, pultrusion and cold press moulding processes.
- To produce composite parts for different applications like boats, buses, trucks, masonry, exterior architectural elements and cabins etc.
- Economical resin for GRP applications.

Modifications:
TICO: Thixotropic & Accelerated
CO: Accelerated
AABP: Amine Accelerated
LSE: Low Styrene Emission
HV: High Viscosity
LV: Low Viscosity
SV: Special Viscosity
UV: Contains UV Stabilizers

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
T-02	Ortho	350 – 500 @25°C 3 Sp. 20 rpm	5 – 8	@ 20°C % 0,2 Co Oct (6% sltn) %2 MEK-P (ButanoxM60)	It is economical, low reactive resin. It is specially designed for non-critical fiberglass applications.	Hand Lay-Up, Laminating
T-02 TIX	Ortho	500 – 750 @25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (ButanoxM50)		Hand Lay-Up, Spray-Up, Laminating

POLYESTER RESIN

BUTTON TYPE POLYESTER RESIN

This resin series are suitable for manufacturing of buttons

- Excellent clarity and transparency.
- Ideal hardness and flexibility balances.
- Best curing characteristics.
- Compatible with pearlescent colors and pigment pastes.
- For button production for both rod and centrifugal

Modifications:
HV: High Viscosity
LV: Low Viscosity
SV: Special Viscosity

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
T-04	Ortho	650 -800 @25°C 3 Sp. 20 rpm	7 – 14	@ 20°C % 0,1 Co Oct(6% sltn) %1 MEK-P (Butanox M60)	This resin is specialized for shirt button production. Suitable for centrifugal casting method.	Centrifugal Casting
T-04 A	Ortho	650 -800 @25°C 3 Sp. 20 rpm	7 – 14	@ 20°C, % 0,1 Co Oct(6% sltn) %1 MEK-P (Butanox M60)	A-grade high quality resins for centrifugal casting processes and sheet casting buttons. Excellent clarity and transparency.	Centrifugal Casting

ACRYLIC TYPE POLYESTER RESIN

This resin series are suitable for manufacturing of bathtubs and hot tubs as support for Acrylic sheets.

- High filling capacity
- Prevent draining when used on vertical or inclined surfaces.
- Spray-up & hand lay-up applications.
- Excellent adhesion on acrylic sheets.
- Acrylic back-up sheet applications

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
T-40	Ortho	1200-1800 @25°C 3 Sp. 20 rpm	10 – 25	@ 20°C %1 MEK-P (Butanox M60)	%40 CaCO ₃ (Calcium carbonate) filled, white colored resin, ready to use for Acrylic Sheet, ABS back-up Applications.	ABS Back-up
T-42	Ortho	12000 – 22000 @25°C 4 Sp. 5 rpm	10 – 20	@ 20°C %1 MEK-P (Butanox M60)	%40 CaCO ₃ (Calcium carbonate) filled, white colored, more reactive resin, ready to use for Acrylic Sheet, ABS back-up Applications.	Acrylic

POLYESTER RESIN

SMC & BMC TYPE POLYESTER RESIN

This resin series is used for Sheet Molding Compound (SMC) and Bulk Molding Compound (BMC) applications like production of various electronic parts, small and medium size automotive parts, lighting fixtures and many other industrial parts.

- High reactivity.
- High filler acceptance.
- Good dimensional stability.
- Excellent mechanical properties, heat and chemical resistant.
- Stable thickening behaviour.

Modifications:
HV: High Viscosity
LV: Low Viscosity
SV: Special Viscosity

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
T-05	Ortho	1000 – 1300 @25°C 3 Sp. 20 rpm	3 – 7	@ 25°C % 0,25 Co Oct(6% sltn) %2 MEK-P (Butanox M50)	High-reactive, high-viscosity orthophthalic with excellent dimensional stability, mechanical properties, and resistance to heat and chemicals. Ideal for all Sheet Molding Compound (SMC) and Bulk Molding Compound (BMC) processes.	SMC & BMC

PUTTY TYPE POLYESTER RESIN

This DCPD based resin series is designed for use in priming application. Suitable for repairing car bodyworks, fill and assemble glass wool products.

- High filling power.
- Easy sandability.
- Excellent chemical and physical resistance.
- Cold curing properties. Good adhesion.

Modifications:
HV: High Viscosity
LV: Low Viscosity
SV: Special Viscosity

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
T-03	Dcpd	450-550 @25 °C 3 Sp. 20 rpm	9 – 15	@20°C %2 BPO	Resin has cold curing properties. The paste has very good adhesion to metal, aluminum, wood and mineral surfaces.	Priming

GELCOAT

PERFORMANCE GELCOAT

This performance gelcoat series is suitable for products where high resistance to water and atmospheric conditions are required and where the aesthetic appearance is important besides high chemical and physical resistance properties. This gelcoat series is formulated for cultured marble, artificial marble, automotive, marine, construction and tank applications.

- Very good resistance to yellowing and UV rays. High resistance to heat and chemicals. Used in all areas where the product aesthetics and brightness are frontal.

Modifications:
S: Spray-Up
H: Hand Lay-up
T: Transparent
W: White

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
T-100 S	Ortho/ Npg	1200-1500@25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (Butanox M60)	Pre-accelerated medium reactive transparent gelcoat with containing UV absorbers. Providing high resistance to heat and chemicals.	Spray-up
T-100 H	Ortho/ Npg	1200-1500@25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (Butanox M60)	Pre-accelerated medium reactive, transparent gelcoat with containing UV absorbers. Providing high resistance to heat and chemicals.	Hand lay-up

MARINE TYPE GELCOAT

This marine gelcoat series is specialized for marine applications. This gelcoat series has excellent resistance to heat and water, with a high resistance to thermal shock, UV, scratch / tear, wrinkle and fade. This gelcoat series is formulated for use in boats, yachts and marine industry.

- High UV absorbing capacity. Good resistance to yellowing. High resistance to heat and chemicals. Excellent to achieve desired aesthetics and brightness.

Modifications:
S: Spray-Up
H: Hand Lay-up
T: Transparent
W: White

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
T-200 S	Iso/ Npg	1200-1500 @25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (Butanox M60)	Pre-accelerated medium reactive, transparent gelcoat with containing UV absorbers. Providing excellent resistance to water and heat. Specialized for marine industry.	Spray-up
T-200 H	Iso/ Npg	2.500-4.000 s @25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (Butanox M60)	Pre-accelerated medium reactive, transparent gelcoat with containing UV absorbers. Providing excellent resistance to water and heat. Specialized for marine industry.	Hand lay-up

