

ZYLOG ELASTOCOMP THERMOFORMING DIVISION

As early as 1984, Zylog was conducting pioneering work in the diverse range of thermoplastic elastomer & polypropylene compounds. Today, we are an integrated company with 3 business verticals.

THERMOPLASTIC ELASTOMER COMPOUNDS

India's leading manufacturer of Thermoplastic Vulcanizates (TPE-V), Thermoplastic Elastomers (TPE-S) and Thermoplastic Polyolefins (TPO) compounds; approved and commercially supplied to automotive, medical and healthcare, wire and cable, building / construction, appliances, FMCG, agriculture and other markets in India and across the world.





35+ YEARS OF LEGACY

1500+ UNIQUE FORMULATIONS

250+ COLOUR FORMULATIONS

> 430+ CUSTOMERS, OEMS & END USERS

360+ APPLICATIONS ACROSS DIVERSE MARKETS

THERMOPLASTIC SHEETS & LAMINATES

India's first and only range of TPO based flexible / rigid, single-layer / multi-layer sheets and laminates for direct use or in thermoformed applications in Automotive, Railways, Medical Devices, Appliances, Packaging and Building Construction.



THERMOFORMED COMPONENTS

World's only fully integrated thermoforming company, making compounds, sheets and final parts all under a single roof. Our capability of making large parts of 3 mtr X 2 mtr, give us a unique advantage to cover a wide range of applications across automotive as well as other diverse markets; while offering our customers with unique cost advantages.



Formerly known as Zylog Plastalloys, the company was renamed Zylog ElastoComp, after exiting the PP Compounding business in 2016, reflecting the company's focus on thermoplastic elastomers and composite materials.

Zylog's strong reputation and brand is built on simple principles of innovation & customer centricity, which continue to drive our growth



Our comprehensive material knowledge, combined with strong technology innovation and application development process, provides customers with high quality materials solutions, meeting unique performance requirements.



Strong customer connect, fast response, on-time delivery, flexibility in service and quality consistency, have driven customer loyalty over the last 35 years. This reflects in our 50% market share in some sectors with over 65% wallet share with major customers.

TECHNOLOGY

MATERIALS KNOWLEDGE

PP, PE EPDM, EPR, ACN SBC – SEBS, SBS, SIS, SEEPS EO, EB EVA ABS PMMA PC ASA PA

FILLERS: TALC, CALCIUM, BARYTE, CLAY

PERFORMANCE ADDITIVES: UV, AO, LUBRICANTS, PROCESSING AIDS, AGEING

PIGMENTS & COLORANTS

AUTOMOTIVE PERFORMANCE CRITERIA KNOWLEDGE

STRUCTURAL - LOAD BEARING - IMPACT RESISTANCE

THERMAL - HOT - UPTO 90°C - COLD - BELOW 20°C - LONG TERM AGEING

WEATHERING - UV, OZONE

CHEMICAL RESISTANCE

AESTHETICS: - GLOSS, COLOUR - SCRATCH, MAR, ABRASION

- FEEL, FIT & FINISH

MOUNTING PHILOSOPHY

PLASTIC PROCESSING & PART MANUFACTURING KNOWLEDGE

COMPOUNDING PROCESS SHEET EXTRUSION PROCESS - SINGLE PLY

- LAMINATE
- CO-EXTRUDED
- FORMING PROCESS
- VACUUM
- PRESSURE
- TWIN SHEET
- SKIN OVERMOULDING

TRIMMING + ASSEMBLY

- **DESIGN CONSIDERATIONS**
- MOUNTING ON CHASSIS
- MATING PARTS
- AESTHETIC CONSIDERATIONS
- FIT & FINISH

PRODUCTS EXTRUDED SHEETS

CompSpec range of flexible, rigid sheets, skins and composite laminates are formulated using a wide range of polymers and elastomers that include PP, PE, EPDM, SBC, alpha-olefins, ABS, PMMA, PC, ASA and compounds/alloys thereof, creating unique specifications that meet demanding performance of applications across various industries.

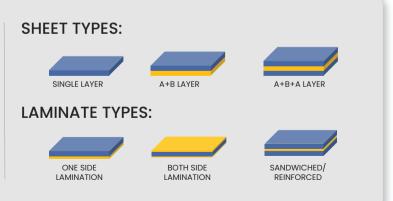
Typical material characteristics incorporated are:

- Hardness range from 35 Shore A to 70 Shore D
- Low Density 0.89 gms/cc onwards
- Excellent impact / stiffness balance
- High specific heat resistance heat and NVH insulation
- Hinge properties
- High melt strength for high draw and low thinning ratio
- Chemical resistance to acids, bases, alcohols, water solutions, polar solvents, detergents

Special grades include:

- High weather resistance, Flame Retardancy,
- Conductive, Dissipative & Insulation
- FDA & Pharmacopeia compliant grades meeting cytotoxicity, hemocompatibility, biocompatibility, anti-microbial and anti-fungal
- Paintable grades
- Scratch, mar and abrasion resistance
- High haptics and aesthetics soft feel, with rigid substrate
- Low gloss, High gloss cap layered sheets

We make sheets as single layer – mono-materials or multi layer – multi-materials, including laminates with non-wovens, wovens scrims reinforced, providing unique performance.





COMPSPEC™ 1000 SERIES POLYPROPYLENE / POLYETHYLENE	Durable and tough sheets with excellent low temperature impact properties, chemical resistance & UV stabilized. Special grades available with heat resistance, metal deactivated, conductive, ESD, foamed, anti-static	T: 0.5 mm – 7 mm / W: 250 – 2000 mm L: Cut Sheets / Rolls
COMPSPEC™ 3000 SERIES FLEXIBLE TPO	Flexible yet durable sheets with excellent thermoformability, good abrasion resistance, heat weldable, chemical resistance, UV stabilized with high specific heat and insulation properties. Special grades include higher heat resistance, NVH properties. Excellent alternative to PVC & highly filled EVA	T: 0.5 mm – 7 mm / W: 250 – 2000 mm L: Cut Sheets / Rolls
COMPSPEC™ 7000 SERIES RIGID TPO	Tough & durable thermoformable sheets with excellent balance of impact / stiffness, heat weldable, chemical resistance, UV stabilized. Special grades include higher heat resistance, flame retardant, high specific heat and NVH insulation for better HVAC performance. Excellent alternative to ABS – eliminates rattling noise.	T: 0.5 mm – 7 mm / W: 250 – 2000 mm L: Cut Sheets
COMPSPEC [™] 4000 SERIES FLEXIBLE SKINS & OLEFINIC LAMINATES	A range of specialty TPO skins, foils & laminates for thermoforming onto rigid substrates for automotive interior applications. These laminates deliver high aesthetics, enhanced haptics, luxurious soft feel while ensuring low emissions, low odour, good scratch and stain resistance.	T: 0.8 mm – 3.5 mm W: 1000 – 2000 mm L: Cut Sheets / Rolls
COMPSPEC [™] 5000 SERIES ENGINEERING PLASTIC SHEETS & COMPOSITE LAMINATES	Range of sheets and composite laminates based on ABS, PC, PMMA. These includes combinations with low gloss, high gloss, high scratch resistance.	T: 1.5 mm – 7 mm / W: 500 – 2000 mm L: Cut Sheets

PRODUCTS

FORMED PRODUCTS

As a fully integrated company, we offer best in industry cost / performance advantages to our customers, along with lower lead times, fast prototyping, superior insights on designing a concept through commercialization.

As a full service thermoformer, our capabilities include: Conceptualizing, Designing, Rendering & Prototyping

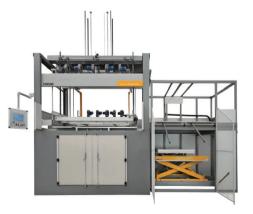
Built to Print / Built to Design capabilities

Vacuum Forming – Heavy gauge, negative draft

CNC Capabilities

Assembly & Fabrication

Welding







While we are automotive focused with over 70% revenue, we also service other sectors of the market



Products are engineered to meet specific performance requirements for interior, exterior, under the hood and below the chassis applications for trucks, buses & OTRs. Based on various blends and alloys of polymers & elastomers, the part is enabled to provide balance in heat and weather resistance, balanced mechanical properties

WHITE GOODS, O APPLIANCES & INDUSTRIAL

Products for appliances and furniture are designed to provide excellent aesthetics, scratch resistance with low temperature impact resistance, while being inert to chemicals.

TRANSPORTATION

Parts are made using single ply or multilayered sheets for interior and exterior components for coaches, trains, trams and other mass transit vehicles. These parts based on engineered sheets are a preferred choice in replacing heavier materials, while providing excellent chemical, UV and impact resistance.

PACKAGING & MATERIAL HANDLING

Products are formulated for robust use, with high impact resistance, stiffness and tensile properties while incorporating other performance characteristics like dissipative, conductive, soft-touch, anti-slip and many more.

ZYLOG ELASTOCOMP THERMOFORMING DIVISION

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