ZYLOG

PASSION FOR ELASTOMERS

TAILOR MADE THERMOPLASTIC ELASTOMER MATERIALS FOR FLEXIBLE APPLICATIONS

Zylog is India's leading manufacturer & solution provider of thermoplastic elastomer compounds based on a range of elastomer and polymer chemistries.

For over 35 years, we have been offering a wide range of tailor-made thermoplastic elastomer compounds that includes Thermoplastic Vulcanizates (TPE-V / TPV), Thermoplastic Elastomers – Styrene (TPE-S), Thermoplastic Olefins (TPE-O / TPO), and blends and alloys.

With commercialized & approved applications in Automotive, Medical & Healthcare, Wire & Cable, Consumer Goods, Building / Construction, Toys, Appliances, Agriculture & Animal Management, Industrial uses; today, Zylog has a large portfolio of products, applications & customers.

+ 570	+ 180	+ 300	+ 400
Unique Material Formulations	**Colour Formulations**	**Applications across diverse markets**	**Customers, OEMs & End Users**

Our plants at Pune and Nasik in India, are equipped with state of the art production & quality processes. The Research & Development team develops new materials & compounds on-site using lab scale as well as production scale equipment. Strong Management of Change process is an integral part of our daily production cycle that controls formulation lock, lot traceability, extended record and sample retention as well as notification of change. Our facilities are IATF 16949 certified.

Zylog's expertise across application development, understanding end-use performance criteria, regulatory compliances is recognized and appreciated by customers in India and globally and we place strong emphasis on maintaining this.

You can benefit from our expertise in customizing products focused on your specific needs. Please visit us to learn more about our thermoplastic elastomer solutions across diverse end use markets.

NEOPLAST™
THERMOPLASTIC VULCANIZATE

NEOFLEX™
THERMOPLASTIC ELASTOMER

NEOLLOY™
THERMOPLASTIC POLYOLEFIN

Customized Thermoplastic Elastomer compounds

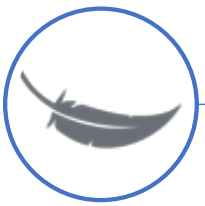
Properties & advantages of our compounds to meet demanding customers needs

Shorter Cycle Times
Processes faster compared to thermoset rubbers

Durability
Good resistance to -40 C to + 125 C
Excellent Ageing, UV, Heat, Ozone & Weather resistance
Long Term dimensional stability – good mechanical properties balance, compression set

Recyclable
100% recyclable & online re-usable, no wastage

Lightweight
Lower Specific Gravity
Lower weight than thermoset rubber



Design Flexibility
Designed for co-injection, co-extrusion, bonding with different substrates, assimilating multi-component parts

Enhanced Aesthetics
Colour-ability in various shades – RAL, PANTONE, wide gloss range, ability to adapt various textures
Enhanced Haptics, Feel, Scratch Resistance

Our materials are designed for variety of thermoplastic processing

Injection Molding

Blow Molding

Profile & Tube Extrusion

Sheet Extrusion

Coating

Thermo-Forming

NEOPLAST™

THERMOPLASTIC VULCANIZATE

Neoplast™ family of TPV compounds are primarily based on PP/EPDM chemistry, providing high elasticity at low and high temperatures, excellent compression set, UV resistance and melt processability.

Neoplast™ is well suited for applications that require rubber like properties such as better compression set, resiliency, tension set, flex fatigue performance and overall higher mechanical properties.

It is designed to bond with other polyolefin compounds during co-injection and co-extrusion, allowing designers to assimilate multi-component parts into a single component.

Typical Material Characteristics:

- Wide hardness range from 30 Shore A to 50 Shore D
- Low Density; range starts from 0.89 gms/cc
- High temperature resistance
- Wide service temperature range from -30 °C to 125 °C
- Excellent compression set and resiliency
- Chemical resistance to acids, bases, alcohols, water solutions, polar solvents, detergents etc.
- Special grades include oil resistance, flame retardancy, higher electrical insulation & volume resistivity, pharmacopeia compliant grades – meeting cytotoxicity, hemo-compatibility, biocompatibility.

Applications across diverse markets of:

- Transportation
- Medical & Healthcare
- Building & Construction
- Appliances
- Wire & Cable
- Consumer
- Agriculture & Animal Mgmt

NEOFLEX™

THERMOPLASTIC ELASTOMER

Applications across diverse markets of:

- Transportation
- Medical & Healthcare
- Building & Construction
- Appliances
- Wire & Cable
- Consumer
- Agriculture & Animal Mgmt

Neoflex™ family of TPE compounds provide excellent combination of elasticity with look and feel of rubber. These compounds offer balanced mechanical properties and compression set, cold & hot elasticity, UV & ageing resistance, low fogging and emissions.

Neoflex™ is well suited for applications that require soft touch properties, transparency / translucency, vibrant colours and silky haptics.

Special grades are designed to bond with polyolefins like PP/PE as well as engineering plastics such as ABS, PS, PA6, PA66, PPO, TPU during co-injection and co-extrusion, allowing designers to assimilate multi-component parts into a single component.

Typical Material Characteristics:

- Wide hardness range from 8 Shore A to 60 Shore D
- Lower density, range starts at 0.90 gms/cc
- Wide service temp from -40 °C to 120 °C
- Balanced compression set
- Chemical resistance to acids, bases, alcohols, water solutions, detergents etc.
- Special grades include high weather resistance, FDA compliant grades, pharmacopeia compliant grades – meeting cytotoxicity, hemo-compatibility, biocompatibility, flame retardancy.

NEOLLOY™

THERMOPLASTIC POLYOLEFIN

Neolloy™ range of TPO compounds are lightweight, rigid and flexible olefinic materials providing superior performance at low temperatures, excellent aesthetics, UV, ozone and weather resistance and melt processability, making it an excellent alternative to flexible PVC and rigid ABS.

These are polyolefin based compounds modified with elastomers and fillers, designed for applications that require combination of rigidity with flexibility.

Typical Material Characteristics:

- Wide hardness range from 80 Shore A to 65 Shore D
- Low Density; range starts from 0.89 gms/cc
- Excellent low temperature properties
- Chemical resistance to acids, bases, alcohols, water solutions, detergents etc.
- Special grades include grades for TPO Skin, TPO Roofing Membranes, Thermoformed Interior & Exterior Components – ABS Replacement, High NVH & Dampening properties

Applications across diverse markets of:

Transportation

Building & Construction

Appliances

Consumer

About ZYLOG

Established in 1984, Zylog is India's leading innovator & manufacturer of custom made TPV, TPE, TPO compounds. Zylog is also forward integrated into manufacturing extruded sheets and rolls under its brand names of CompSpec™ & GreenShield™. We invite you to visit our website to learn more about us.

All production facilities are IATF 16949 certified and follow strict environmental, health and safety standards, along with a very strong regulatory support, quality and management of change process.

Customers count on Zylog's unique problem solving abilities and flexible attitude towards doing business , helping customer meet requirements of diverse applications / markets. We have set and maintain an industry leading high service performance standard which is a key objective for us.

NEOPLAST™ THERMOPLASTIC VULCANIZATE

NEOFLEX™ THERMOPLASTIC ELASTOMER

NEOLLOY™ THERMOPLASTIC POLYOLEFIN

CompSpec™ TPO SHEETS & COMPOSITE LAMINATES

GreenShield An Eco-Friendly Membrane System

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