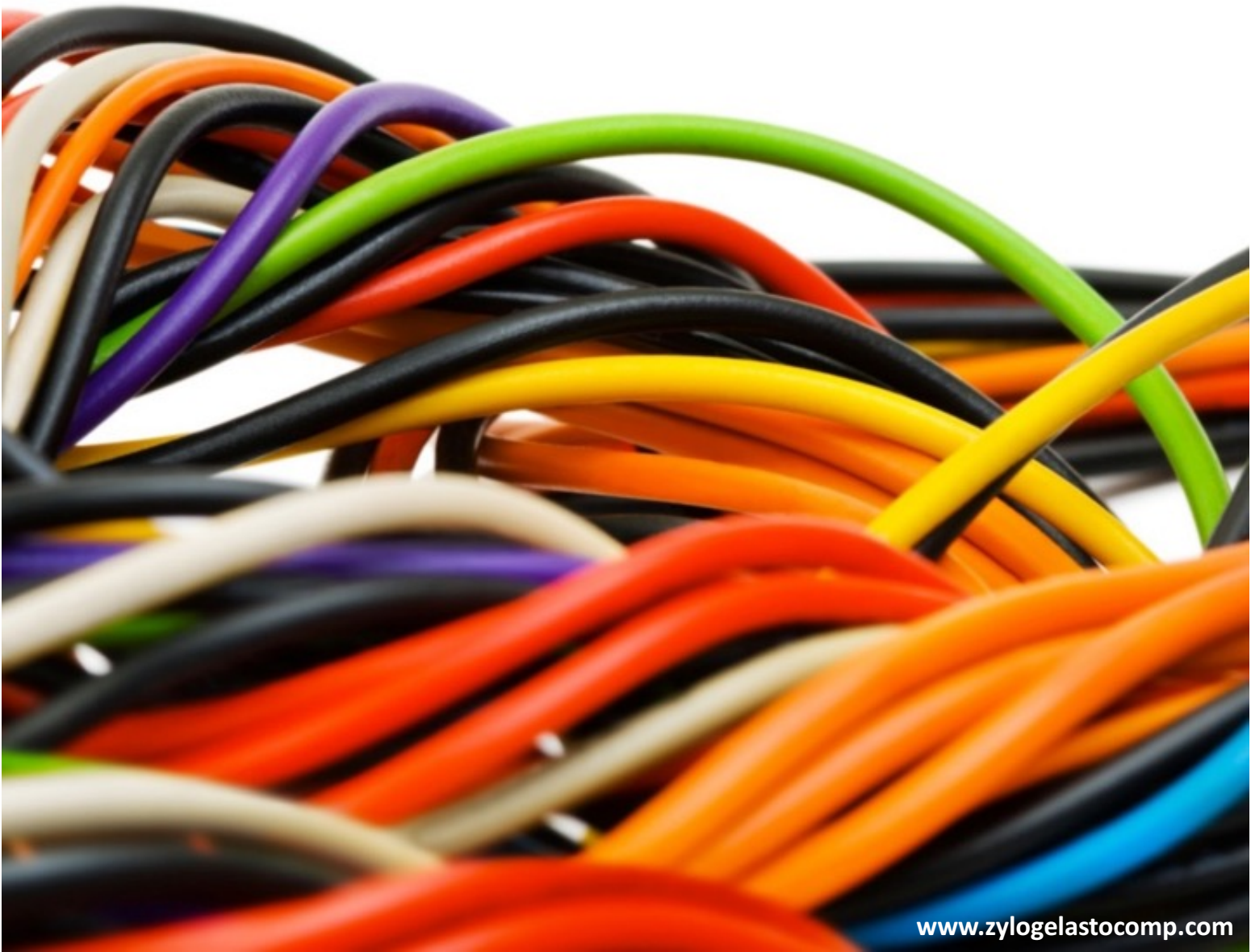


**TAILOR MADE  
THERMOPLASTIC ELASTOMER MATERIALS  
FOR WIRE & CABLE AND ELECTRICAL APPLICATIONS**



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.

<b>+ 570</b> Unique Material Formulations	<b>+ 180</b> Colour Formulations	<b>+ 300</b> Applications across diverse markets	<b>+ 400</b> Customers, OEMs & End Users
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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

Zylog's range of thermoplastic elastomer compounds are a preferred choice for insulation and sheathing of low to medium voltage specialty cables & other electrical applications, steadily replacing EPDM rubber, PVC and other elastomers due to specific performance considerations, cost/performance benefits and sustainability.

Zylog's versatile portfolio includes TPVs based on PP/EPDM, TPEs based on Styrenic block co-polymers and TPOs, all successfully commercialized in flexible & semi-flexible applications across various industries. Our expertise in elastomer technology & application development ensures customers manufacture products economically & efficiently.

#### CHARACTERISTICS

- **Resistant & Durable**
  - High Continuous Service temperature -50 °C to 125 °C
  - No cracking or tackiness & excellent flexibility in extreme temperatures
  - Heat Ageing - 150 °C / 168 hours - < 20% change in Tensile & Elongation
  - Resistant to Chemicals, ASTM Oils, Rodents, Ozone & Weathering
- **Good Insulation**
  - Volume Resistivity @ 500 V,  $10^{15} - 10^{16} \Omega$
  - Dielectric Strength – 30 to 35 KV / mm
  - Breakdown Voltage > 15 KV
- **Flame Retardant**
  - HOFR & HFFR Compounds, Lower Sp. Gravity than conventional FR Compounds; V0, V1 & V2 at 1.5 / 3.0 mm
  - UL 94 Compliant, Low Smoke Density, High Limiting Oxygen Index (LOI)
  - No dangerous residues on Oxidation
- **Green Material**
  - Free from Lead, Halogens, Heavy Metals and Phthalate Esters
  - RoHS & REACH Compliant, Non hazardous with easy recyclability

IS 6380 Compliance  
Zylog's grades meet the following specifications

#### INSULATION

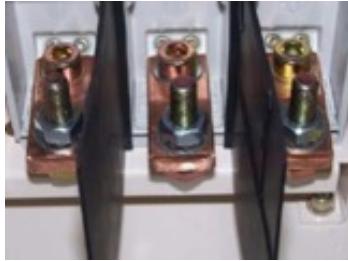
IE1	Insulation - general purpose	60°C
IE2	Heat Resisting Insulation to 1100 V	90°C
IE3	Heat Resisting Insulation to 1100 V	90°C

#### SHEATHING

SE1	General Service Normal Duty	60°C
SE2	General Service Heavy Duty	60°C
SE3	HOFR Elastomeric Normal Duty	90°C
SE4	HOFR Elastomeric Normal Duty	90°C



With a proven track record of over 35 years, Zylog’s range of thermoplastic elastomer compounds are custom tailored for a wide range of electrical applications



**Wire & Cable**

- Battery Cables
- Ignition Cables
- Fusible Link Cables
- Mechanical Control Cables
- Welding Cables: MIG, MAG, ARC
- Trailing Cables
- Submersible Cables
- Load Cell / Sensor Cables
- Instrumentation Cables
- Robotic Cables (Hi Flex Life)
- Battery Booster Cable

**Insulation**

- Phase Barrier
- Plugs & Connectors
- Grommets & Boots
- Dampners & Diaphragms
- Strain Reliefs

**Seals & Gaskets**

- Gaskets for Panels
- Wire Harness Components
- Dust Covers
- Electric Meter Housing Seals
- Outdoor Switch Seals

**Other Components**

- Soft Grips over tools
- Housing Overmoulding

Product	Hardness	Features	Applications
<b>Neoplast™ TPV</b> <i>11XX Series</i> <i>12XX Series</i>	35 A to 40 D	<ul style="list-style-type: none"> <li>• General Purpose Grades</li> <li>• High Elastomeric Properties – Balance of Tensile, Elongation, Tear &amp; Modulus</li> <li>• Volume Resistivity &amp; Insulation</li> </ul>	<ul style="list-style-type: none"> <li>• Injection Molding, Extrusion, Blow Molding</li> <li>• Insulation</li> </ul>
<b>Neoplast™ TPV</b> <i>21XX Series</i> <i>22XX Series</i>	40 A to 40 D	<ul style="list-style-type: none"> <li>• Enhanced Colourability</li> <li>• Special Extrusion Grades with optimized flow</li> <li>• Higher Heat &amp; Oil Resistance</li> <li>• Enhanced Haptics</li> <li>• Volume Resistivity &amp; Insulation</li> </ul>	<ul style="list-style-type: none"> <li>• Injection Molding, Extrusion</li> <li>• Jacketing / Sheathing</li> </ul>
<b>Neoflex™ - TPE-S</b> <i>71XX Series</i> <i>72XX Series</i>	35 A to 40 D	<ul style="list-style-type: none"> <li>• Good Colourability</li> <li>• Non UV Stabilized – Interior Applications</li> </ul>	<ul style="list-style-type: none"> <li>• Injection Molding</li> </ul>
<b>Neoflex™ - TPE-S</b> <i>81XX Series</i> <i>82XX Series</i>	10 A to 40 D	<ul style="list-style-type: none"> <li>• Enhanced Colourability</li> <li>• Special Sealing Grades – Optimized Comp. Set</li> <li>• UV Stabilized, Low CoEF</li> <li>• Volume Resistivity &amp; Insulation</li> </ul>	<ul style="list-style-type: none"> <li>• Injection Molding</li> <li>• Extrusion</li> </ul>
<b>Neolloy™ - TPO</b> <i>3000 Series</i>	75 A to 70 D	<ul style="list-style-type: none"> <li>• Semi – Rigid / Rigid Grades</li> <li>• Good Impact / Stiffness Balance</li> <li>• Adjustable Gloss, Improved Scratch / Mar</li> <li>• Enhanced Aesthetics with UV Resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Thermoforming Grades</li> <li>• Melt Coating Grades – Zimmer Coating</li> </ul>



## 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.

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THERMOPLASTIC POLYOLEFIN

 **CompSpec™**  
TPO SHEETS & COMPOSITE LAMINATES

 **GreenShield**  
An Eco-Friendly Membrane System

