



FORMULATE YOUR **SUCCESS**

WITH **FORMULATED POLYMERS**

# FPL – Your Trusted Success Partner

**FORMULATED POLYMERS LIMITED**, the professionally managed company established in the year 1993 with an objective to design and manufacture a comprehensive range of Thermoplastic Compounds, specializes in Engineering Plastics under the brand name **FORMPOLY®**.

FPL received the prestigious **National Award** for Outstanding Entrepreneurship from the President of India. FPL was also adjudged as **“Fastest Growing Engineering Plastics Manufacturer in India”** by Plastindia Foundation.

FPL facilities are certified to ISO 9001, ISO/TS 16949 and ISO 14001 quality systems. The most modern technologies are used including SAP for operational brilliance. FPL accounting systems are certified by Dun & Bradstreet.



## The Dexterous Workforce

FPL, the unifying force which puts together people in order to contribute and achieve their full potential in pursuit of personal and organizational superiority.

Majority of man power at FPL are technically qualified to add value to processes and systems to meet customer requirements.

FPL has an elaborate training program to guide all the sections of workforce using state-of-the-art techniques including in-house ready films of all operations carried out at FPL.



## The Robust Infrastructure

FPL encompasses scores of facilities lined up to deliver products that are outstanding and consistent in quality. The world-class fully automated production facilities at FPL include Toshiba, Coperion / W&P, Berstorff Twin Screw Systems, Gravi-metric Feeders for accuracy, on-line dehumidified dryers, full stand-by power generation, and many other provisions for effective optimization and meet to the quality demand in the applications.

Productions systems are designed to produce fairly simple compounds to complicated multi functional compounds. FPL has established facilities to handle high melting polymers such as Nylon 46, PPS etc.,

FPL is backed by continuous development technology to offer a wide range of compounds.

# FORMPOLY® Applications

FORMPOLY® offers the right balance of mechanical, thermal, electrical and environmental aging properties for applications in varied industries. FORMPOLY® finds applications in following industries

- Automobile
- Electrical / Electronics
- Telecommunication
- Textile Machinery
- Defense
- Railways
- White Goods
- FMCG

FORMPOLY® stands out for its mechanical strength, high thermal stability, dynamic strength, low temperature performance with integrated system solutions.

## FORMPOLY® Product Range

### POLYMERS

- Polyamide – 6 (Nylon 6)
- Polyamide – 66 (Nylon 66)
- Polyamide – 46 (Nylon 46)
- Polyamide – 12 (Nylon 12)
- Mod. Poly Phenylene Ether (m-PPO)
- Poly Phenylene Sulphide (PPS)
- Polypropylene – Home & Co (PP)
- Acrylonitrile Butadiene Styrene (ABS)
- Styrene Acrylonitrile (SAN)
- Polyacetal – Homo & Co Polymer (POM)

### RANGE OFFERED

- Glass Fibre Reinforced
- Mineral Reinforced
- Flame Retardant (Halogen and Halogen Free)
- Impact Modified
- Electrically Conductive
- UV Stabilised
- Heat Stabilised
- Antistatic
- Lubricated
- Pre Coloured
- RoHS compliance
- Alloys and Blends

FPL



# Promising Quality Standardization

FPL has excellent and elaborate systems for monitoring and maintaining quality from raw materials to finished goods. The elaborate and modern testing facilities backed by perfected shop floor practices ensure consistent quality to products produced.

Quality Assurance is an integral component at FPL to make sure all the products that roll-out of the manufacturing system assure quality consistency at every parameter.

**FORMPOLY®** meets the requirements of RoHS / REACH compliance. Selected ranges are available with UL (Underwriters Laboratory) yellow card meeting UL94 requirements.

FPL practices TQM ( Total Quality Management) and has integrated them into every process to deliver customer product of right quality and at right price. FPL also practices 5-S and has won commendation from various agencies and customers.



## Commended Research & Development

The elaborate in-house R&D facility aids FPL in developing newer formulations for various applications. FPL has made substantial investment in R&D to make most modern research facility.

FPL facilities include QUV tester for UV resistance aging analysis, modern Demag Injection Molding machines and a battery of testing equipments. FPL has established most modern pilot plants for carrying out research and development activities with compounds. Berstroff and Coperion lines have the capability to produce from low task formulations to most critical task formulations and from low melting polymers to LCP / PEEK.

FPL promises to its customers five days first sample from the day of signing specification.

As the emblem of excellence FPL has received the prestigious **Plasticon Award of Excellence** for its Product Development Leadership with indigenous technology. FPL has many National and International accreditation for its R&D facility.



## Systems Enforced For Competence

FPL being a design responsible manufacturer, follows APQP, DFMEA, PFMEA, MSA, PPAP, SPC etc., for product design.

At FPL, SCADA (Supervisory Control and Data Acquisition) is used in Process Control, Formulation Control, Process Parameter Consistency, Alarms, Resolution Guidance and Process Control optimization

FPL also practices APC (Additive Process Control) is used for total control of fine additive – measuring, dosage, closed loop monitoring.

QA (Quality Assurance) at FPL is assisted and controlled with special programmed software at FPL which ensure total control



over the products starting from raw material to dock audit of finished goods. It has in build traceability system for the products and process. It is programmed to decide inspection level and frequency for every step to delight the customer with consistent product quality.

# Co-Operative Development Programs

FPL enjoys carrying out Co-operative Development Programs with end user and customers in developing newer compounds / formulations. If you are using plastic compounds now, which are expensive, are not available freely, or do not meet your quality standards FPL can help to solve these problems by offering economical, application specific substitutes.

Combining a strong technology base with application expertise, FPL can work with customers right from inception to completion of developing a application, professionally and on time.

FPL full range of service includes development assistance, custom formulations, products and application guidance. FPL has qualified and trained technical field staff to assist customer in resolving processing of the compound or in resolving the issue with a application requirement.



## Promptness At Delivery

FPL's service orientation does not stop with production of quality compounds. FPL understands that obtaining the right product at the right time is a key consideration for its customers.

FPL has its branches and stock points in most states of India. FPL also has authorized dealers in many countries to meet the JIT ( Just in Time) requirement of its customers.

MOQ for Produced for Stock grades is one bag of 25 Kg. However for grades which are Produced for Order , MOQ is decided by its specification / color etc.

## Product Packing

FORMPOLY® products are offered in pellet form and in standard 25 Kg / 500 Kg moisture proof bags. Containers are loaded with pallets and are available from 12 to 18 MT per 20 ft container. FPL offers about 400 FORMPOLY® grades in over 10 polymers and the delivery program is ever expanding. List of grades and its technical specifications can be seen in separate literatures / compact disc. Ask for one to select or visit FPL web site to select.



## The Recognition Of Excellence



FPL received the National Award 2009 for outstanding Entrepreneurship from Government of India.



Winner of Plasticon Award for being the "Fastest Growing Engineering Plastic Manufacturer in India"





## **FORMULATED POLYMERS LIMITED**

Manufacturers of Engineering Plastic Compounds

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