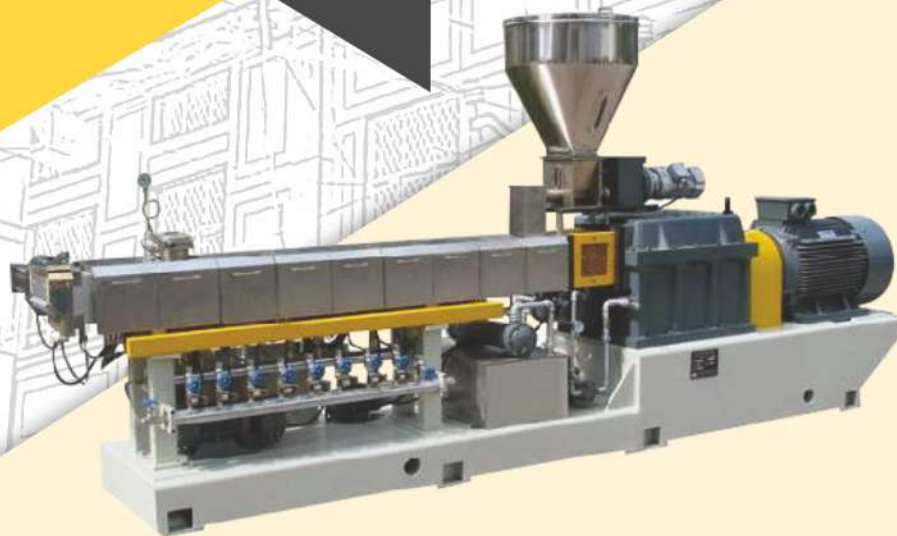




SHUBH LABH
INTERNATIONAL PVT. LTD.



ALL TYPES OF POLYMERS & COMPOUNDS

- 🔧 PLASTIC COMPOUNDER
- 🔧 PLASTIC RECYCLER
- 🔧 POLYMER IMPORTER
- 🔧 POLYMER EXPORTER
- 🔧 POLYMER TESTING HOUSE

f ShubhlabhInternational

📷 ShubhlabhInternational

📺 ShubhlabhInternational

🌐 www.shubhlabhinternational.com



F-1821, DSII DC, Industrial Area,
Narela, Delhi - 110040



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+91 9313636358, 9711636607

For more than **36 years**, we have excelled in the field of Plastics in India, run by the Founder and Chairperson Mr. Neeraj Kumar Singhal under the flagship company Singhal Plastics. With the latest **plastic compounding** machines and testing labs, **Shubh Labh International Pvt. Ltd.** was launched in 2012.

We are consistently relying on the concept of **3Rs** {Reuse, Reduce and Recycle}. By the use of latest technology, upgradation and high standards of quality control, the company has earned a formidable reputation in the global wide network. The company has **especially displayed an exceptional expertise** in understanding the requirements of fastidious **clients worldwide**.

We provide much cheaper products with a customer-desirable quality.

Our **high-tech machinery** and **testing equipment** are the major strengths, which enables us to provide superior quality products.

Nature of Business: Compounder, Recycler, Importer, Exporter, Polymer Testing House.

CEO & Director : **Mr. Nikhil Singhal**



Regd. Off. : F-1821, DSIIIDC, Industrial Area, Narela, Delhi - 110040



Branch Off : F-56, Nayagaon Industrial Area, Pali, Rajasthan - 306421



Branch Off : B-2420, DSIIIDC, Industrial Area Narela, Delhi - 110040



PAST EVENTS

PLASTINDIA 2018
EMPOWERING GROWTH 2018
18th International Plastics Exhibition, Conference & Convention
Feb. 7-12, 2018, Gandhinagar - Ahmedabad, Gujarat, India.

6th Plastasia - 2017
8th - 11th July 2017, Pragati Maidan, New Delhi.

PLASTIVISION
INDIA - 2020 - MUMBAI
JAN 10-12, 2020

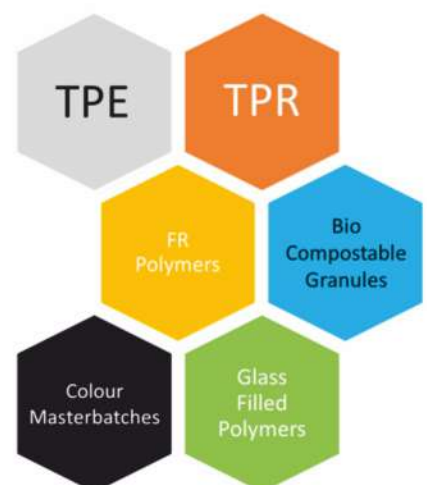
7th PLASTO 2016
International Plastics Exhibition and Seminar
14th to 17th April - 2016 at Auto Cluster - Chinchwad, Pune

INDIA PLAST
05th Feb to 11th March, 2016
India Expo Centre, Greater Noida, Uttar Pradesh

PLAST FUTURE EAST 2016

18 19 20 Nov 2016
Balasore International Expo Center (BIEX),
NOCCI Business Park, Balasore, Odisha

International Exhibition &
Conference on Plastics & Polymers



OUR PRODUCTS

TPR (ThermoPlastic Rubber)

Application: Shoe sole, Toys, Sport Goods, Washers.

It is used in injection moulding and extrusion seals, automotive soft touch over moulding, gaskets, cables, yoga mats.



TPE (ThermoPlastic Elastomer)

Its rubber-like properties enables TPE to replace rubber significantly in several applications. Today, they are used in many applications like **adhesives, footwear, toothbrushes, medical devices, automobile parts, household goods etc.** They offer elasticity benefits over a wide temperature range. Specialty in TPE for over moulding of polymers like ABS, PC, nylon etc.



TPU (ThermoPlastic Polyurethane)

The bridge between rubbers and plastics; TPU ranges hardness from 40 to 98 shore A.

Application: Shoe Sole, Toys, Sport Goods, Washers. It is used in injection moulding and extrusion seals, grommets, toothbrushes, automotive soft touch over moulding, gaskets, cables, yoga mats.



Bio Compostable Granules for Blown & Moulding

We produce biodegradable materials with similar functionality to that of oil-based polymers with the mixture of PLA & PBAT. These bio-based materials have several potential benefits for greenhouse gas balances and other environmental impacts over whole life cycles and in the use of renewables, rather than finite resources. It is intended that use of biodegradable materials will contribute to sustainability and reduction in the environmental impact associated with disposal of oil-based polymers. We provide certificates for the above.



Glass Filled Polymers (PBT, ABS, PC, PP, Nylon)

We produce glass filled polymers as 15%, 20%, 30%. Glass fibres are the most frequently used reinforcement fibres in reinforced polymers as they offer good mechanical, chemical and dielectric properties. Plastic parts that use glass-filled polymers can enhance properties like strength, rigidity, impact resistance and high melting point.

Application: Nylon, PBT, Meter industry, modular switches, sockets, connectors, adapters, electrical and automotive industry, mostly used for injection moulding of components of cars, high temperature applications and hence, widely employed in automotive.



Modifiers/ Additives/ Coupling Agents

Impact Modifiers are added to plastic compounded materials to improve the durability and toughness of a variety of plastic resins. According to end-use applications and polymer intrinsic resistance, formulators need to achieve a very different level of impact resistance, from general purpose to super toughness.

Additive and Coupling agents are chemicals which enhance clarity, adhesion or bonding between fibre surface and polymer matrix. We produce coupling agents by grafting polymers with MAH and GMA. We also produce modifiers for PP, PC, ABS, Nylon, elastomers for LL.

Your
quality
our
price

A pride
in polymer
testing

Fillers :-

Fillers are particulate material, such as minerals, calcium, talc and sodium which are added to polymers to reduce cost.

Calcium Filler: It is a calcium filler used in reducing the cost of PP, HDPE, LLDPE plastic products.

TPT Filler: It is used in the automobile sector to stop deformity in polypropylene while maintaining the transparency of the product.

Transparent Filler:

It is transparent filler used in manufacturing of films and polymer products based out of sodium sulphate and does not reduce transparency in the product at all.

GR 100 (Gas Remover): Gr100 is a filler masterbatch which helps in reduction of unwanted gases at the time of production of plastic products and is widely used in manufacturing of products in sectors like Household, automotive, compounding etc.



Colour Masterbatches

Normally, a masterbatch is a tough plastic additive that is generally used for colouring plastics or adding other colourful properties to plastics. Also, normally, colour masterbatches are produced using LLDPE as a base. Other than LLDPE, we **specialty produce masterbatches to colour polycarbonate, nylon, POM, ABS and TPU (Thermoplastic Polyurethane).**



FR (Flame Retardant) Polymers

Flame Retardants refer to a variety of chemical compounds added to otherwise combustible materials to create a layer of flammability protection, providing more time to escape and for first responders to save lives and minimise property damage. We produce PP (FR), ABS (FR), HIPS (FR), PC (FR), PBT (FR) and Nylon (FR); all grades V0 to V6



**Shubh Labh
goes global**

Our Recycled Products:-

With the addition of modifiers, additives and elastomers we at Shubh Labh International Pvt Ltd have achieved good standards of our reprocessed plastic granules making the quality be next to virgin which fairly economical pricing as compared to virgin materials. We specialize in manufacturing quality recycled plastic granules to match any colour as per customer's need and specifications.

We recycle variety of polymers whose details are as under:-



PP/PPCP (polypropylene) Recycled

We produce pp as well as ppcp in natural, milky, black, fluorescent/metallic colours as per customer need.



HIPS Recycled

We recycle HIPS in all colours which are used in injection moulding, plastic extrusion and thermoforming.



GPPS Recycled

We recycle GPPS in natural, black and all colours used in producing bangles, spoons, cosmetic products, coating transparent plastic product for replacement of glass.



EPS RECYCLED

We recycle EPS in two grades Smoke(RST) and FF which are used in producing PS Photo Frame moulding and PS Wall Panels as well as TPR compounds.



ABS RECYCLED

We recycle ABS as per customer needs. we produce next to virgin abs by adding additives and modifiers to improve the quality.



PBT RECYCLED

We recycle PBT glass filled in white orange and other colours. Which is used in electrical connectors mcb and other electrical items.



PC (Polycarbonate Recycled)

PC is a durable material, has high impact-resistance, low scratch-resistance. A good electrical insulator, having heat-resistant and FR properties, applications like electrical and telecommunications hardware.





LDPE/ HDPE Recycled

We recycle LDPE in natural, black and all colours used in producing polybags, wires, coating, masterbatches as well as injection moulding.



POM Recycled

We recycle POM in natural, black and all colours used in applications like automotive industry and zippers.



NYLON 6 & 66 RECYCLED

We recycle Nylon in natural, black and all colours used in Electrical & Automotive Application.



PMMA

We recycle PMMA in natural, black and all colours used in Lacker, lighting and automotive applications.



SAN Recycled

We recycle SAN natural and all colours used in compounding of polymers like ABS.



K-Resin Recycled

We recycle K-Resin in natural and black colours mostly used in TPR compounds.



Why Us:

1. At Shubh Labh International Pvt Ltd it is an opportunity to buy the best quality plastic granules at much cheaper prices.
2. All our feedstock and raw material goes under rigorous **testing in our lab** to insure best quality at cheaper prices.
3. **Quality control** is adopted by testing the final product before dispatch to assure best in class quality.

4. Near prime granules are manufactured in the cheapest possible prices.

5. In-house Master Batch production enable us to provide consistent colours with increased quality standards.

6. Big orders is, was and will never be an issue for us.

7. Additives like Impact Modifiers, Shiners, Elastomers etc. helps us in making best-in-class quality of the product which is difficult to compete with in the local market.

Our Business:

At Shubh Labh International Pvt Ltd we produce compounded polymers like TPE, TPR, Impact modifiers, fillers, shiners, glass filled polymers, Flame retardant polymers.

Recycling of most polymers with help of latest machineries to get near prime quality polymers by adding modifiers etc. after testing in our lab.

Trading all prime polymers of brands like

IOCL	RELIANCE	KUMHO	LG
GAIL	MRPL	HMEL	HALDIA
SUPREME PETRO	TORAY	CHIMEI	BHANSALI
ABSOLAC	WANHUA	HUAFON	HUADA CHEM
COVESTRO	SABIC	SAMSUNG	BASF
STYROLUTION	CELANESE	PETROPAK	SUMITOMO
CHEVRON PHILLIPS	DuPONT	GSFC	DSM
POLIEN	LYNDELL BASELL	DENKA	IDEMITSU
MITSUI	LEXAN	AKPC	INEOS
MOHEB	PGPIC	EXXONMOBIL	VISTAMAXX
MITSUI	LEXAN	AKPC	PGPIC

Team of polymer specialists, consultants and engineers gives us an edge in providing paid consultations in the field of polymers and plastic raw materials.

Polymer Testing services of all types, available with very reasonable charges.

Masterbatch production of all kinds, types and base with provision of dry colour packets.



What We Trade :

We trade following items:-

- 1. HRG – High rubber graft kumho 181 :** HRG is **butadiene rubber**. It is a raw material of ABS. It is also used to increase impact strength of ABS.
- 2. SBS – Styrene butadiene styrene : LG-411, KUMHO-401, LCY ALL GRADES** SBS, is a hard rubber that is used for **products like the soles of shoes, tire treads, and other places where durability is important**. It is a type of copolymer called a block copolymer.
- 3. SEBS – LCY 7550,7551 :** SEBS is used in a **wide variety of general-purpose rubber items as well as in handlebar grips, toothbrushes, sports mouth guards, diapers (as the elastic component) and teethers**. The chemical resistance of SEBS is similar to natural rubber, having excellent resistance to water, acids, and bases.
- 4. K-RESIN :-** K-Resin SBC is available in two commercial types, KR01 and KR03. KR01 is used almost exclusively for injection moulding applications. Although it is not as tough. We trade in KR-99 and INEOS KR01,KR02,KR03, DENKA.
- 5. POLYPROPYLENE(PP)/ HDPE/LDPE/LLDPE :** We have multiple brands of the above with Indian and imported both kinds like HMEL M12RR, GAIL F20S, F18S, H110MA, C030EG, M26500, M2550, 16MA400, RE420MO, MB7541, MB 7542, HJ311MO, H2350, H1030, H3030, H2245,FB3003, HANWHA 955 etc.
- 6. TPU :** TPU stands for Thermoplastic Polyurethane — the bridge between rubbers and plastics. (TPU) is any of a class of polyurethane plastics with many properties, including elasticity, transparency, and resistance to oil. It is a melt-processable thermoplastic elastomer with high durability and flexibility.
- 7. PC (Polycarbonate) :** Polycarbonate is a durable material. Although it has high impact-resistance, it has low scratch-resistance. Being a good electrical insulator and having heat-resistant and flame-retardant properties, it is used in various products associated with electrical and telecommunications hardware. Grades like Makrolon 2407, 2405, 2408, SAMSUNG 1220 UR, SABIC MG47F, ET3113, Ld7600etc.
- 8. PBT (Polybutylene terephthalate) :** Polybutylene terephthalate is used for housings in electrical engineering, but also in automotive construction as plug connectors and in households for example in showerheads or irons. PBT is resistant to solvents, shrinks very little during forming, is mechanically strong and heat resistant. Grades like CCP 1100, 1200, BASF BXXIN, DSM Arnite etc.
- 9. PMMA(polymethyl methacrylate) :** PMMA is an economical alternative to polycarbonate (PC) when tensile strength, flexural strength, transparency, Polishability, and UV tolerance are more important than impact strength, chemical resistance, and heat resistance. Additionally, PMMA does not contain the potentially harmful bisphenol-A. It is often preferred because of its moderate properties, easy handling and processing, and low cost. Grades like LG 830, 830A, 840 etc.
- 10. POM (Polyoxymethylene) :** POM is an engineering thermoplastic used in precision parts requiring high stiffness, low friction, and excellent dimensional stability and is characterized by its high strength, hardness and rigidity to -40 °C. POM is intrinsically opaque white because of its high crystalline composition but can be produced in a variety of colors. Grades like F20-03, F30-03, TG 30, TG 20, M90 etc.
- 11. GPPS (General Purpose Polystyrene) :** Polystyrene can be naturally transparent, but can be coloured with colourants. Uses include protective packaging (such as packing peanuts and in the jewel cases used for storage of optical discs such as CDs and occasionally DVDs), containers, lids, bottles, trays, tumblers, disposable cutlery, in the making of models, and as an alternative material for phonograph records for extrusion (as in Styrofoam) and also for moulding and vacuum forming. Grades like 147F, SC203EL, SC201LV, SC206 etc.

12. HIPS (High Impact Polystyrene) : The High Impact Polystyrene is one of the existing varieties within polystyrenes . Since polystyrene is a very brittle polymer at room temperature, it is modified by adding polybutadiene , to improve its impact resistance. It is commonly designated as HIPS. Grades like SH03, 476L, SH731E etc.

13. SAN (Styrene Acrylonitrile) : SAN is similar in use to polystyrene. It is optically transparent and brittle in mechanical behaviour. The copolymer has a glass transition temperature greater than 100 °C owing to the acrylonitrile units in the chain, thus making the material resistant to boiling water. It is structurally related to ABS plastic, where polybutadiene is copolymerised with SAN to give a much tougher material. The rubber chains form separate phases which are 10-20 micrometres in diameter. When the product is stressed, crazing from the particles helps to increase the strength of the polymer. Grades Kumho 310CTR, LG 80HF, LG 82TR etc.

Nylon : Nylon is a generic designation for a family of synthetic polymers composed of polyamides (repeating units linked by amide links). Nylon is a silk-like thermoplastic, generally made from petroleum, that can be melt-processed into fibers, films, or shapes.



Polymers have become a crucial part of our lives and most of the things around us are made up of polymers. Due to the increased usage of polymers, they need to be tested for quality as the toxicity caused by polymer and plastic can be hazardous. Physical and mechanical testing of polymers targets on the testing, analysis and characterization of polymer materials, including both synthetic and natural or bio-based polymers.

Polymer Testing ensures that material complies with industry specifications applicable to industries such as aerospace, automotive, consumer, medical and defence amongst others. Identifying the capabilities and limitations of a material is of high priority to suppliers, manufacturers and product developers on every level of the polymer industry supply chain. Polymer testing helps to perceive product efficiency to withstand different environmental conditions, resistance against rough handling and also to determine shelf life of the product.

Why Is Polymer Testing Important?

- Helps raw material suppliers and product developers to understand the properties of their products.
 - Supports the companies to comply with product performance specifications.
 - Allows the developers to introduce stronger quality control system.
 - Provides valuable data when conducting failure analysis investigation and supports in potential litigation
- Elemental and chemical analysis: Used to identify basic structural information and also to provide guidance on additives and other substances present.
- Mechanical testing: Density, tensile and flexural strength, falling weight impact, shear and compressive properties are assessed. Physical testing: Includes dimensional analysis of the material, measuring material strength under a tensile load, determination of density and specific gravity of the material, etc.
- Optical testing: Properties such as color, haze, gloss and clarity are covered.
 - Rheological testing: Rheological properties including capillary, rotational, Melt Flow Index (MFI), Melt Flow Rate (MFR) and Dilute Solution Viscosity (DSV) are tested to analyze the internal responses of materials under the influence of imposed stress.
 - Accelerated weathering testing: Helps to predict the relative durability of materials exposed to certain weather conditions. The test includes UV, humidity, temperature, repeated sterilization and environment impact. Testing the barrier performance, flammability, electrical and adhesion properties, failure analysis, support in research, design and quality control are the additional services offered for all types of polymer materials and applications. Spectrophotometry, Differential Scanning Calorimetry, Dynamic Mechanical Thermal Analysis, Thermomechanical Analysis, Thermogravimetric Analysis and Heat Distortion Temperature are some of the most relevant techniques used in our laboratory. Rapid and accurate results on material properties in all stages of product development are provided using industry specific methods.

Polymer Testing Services for Checking Quality :



MFI TESTING



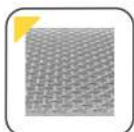
IZOD IMPACT TESTING



CHARPY IMPACT TESTING



TENSILE TESTING



MESH USED TESTING



IDENTIFICATION OF NATURE OF PLASTIC



POLYMER TYPE IDENTIFICATION



BLOWING ABILITY OF POLYMER



FLAMMABILITY TESTING (FR TESTING)



ASH CONTENT TESTING



DENSITY TESTING



SPECIFIC GRAVITY TESTING



FLEXURAL MODULUS TESTING



OPTICAL PROPERTIES TESTING



COLOUR MATCHING TESTING



TRANSPARENCY TESTING

**CONFUSED ABOUT THE QUALITY OF THE POLYMER ARE USING.
GET ACCURATE RESULTS BY USING OUR SERVICES.
READY FOR YOUR HELP AT +91-9310136358**

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