



# DIVYA

## CORPORATION WORLD



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## HOME

WELCOME TO DCW GROUP – TOTAL SOLUTION OF *PLASTIC INDUSTRIES, PACKAGING INDUSTRIAL, INDUSTRIAL CHEMICAL, AND MINES & MINERAL.*

Divya Corporation World was established in 2016. The establishment of this company was with the mission and object of PVC Raw material & Additives, Polymer, Plastic good finish Item, Masterbatch, Mining Item, and Industrial chemical trading. On the basis of strong foundation, higher level business ethics and constant efforts over the years, our company has shown progress over the past years. Our skilled managing director has been successfully doing his role into this industry since 2014; therefore he becomes an accomplished asset to the company who has 5 years of experience. We manage through a dedicated and qualified team looking after Domestic and International operations...

## **ABOUT US**

**Divya Corporation World** a professionally managed company which was established in 2016 as a Trading House of Plastic Raw Materials, Industrial Chemical, Polymers and Mines & Mineral Products.

**Mr. Kaushik Khavadeeya**, Chairman & Managing Director, using his cutting edge expertise and decades of experience has steered the company on the path of growth thereby capturing the niche markets and having extensive presence in Global as well as Indian Markets.

Today, in the International Market our Company has operated in more than 5 countries. In the Domestic Market, there are two stock points in major consumption and distribution centres of Gujrat, India.

Our biggest assets are our Team of dedicated and qualified professionals committed to excellence and continuous improvement. Our management offers years of experience and a commitment to the philosophy that we all report to our customer whose needs and direction will lead us to continued success.

Our Company is poised for further growth and expansion, as we increase our client base in both domestic and international markets.

# **PRODUCT**

- ❖ **POLYMER .**
- ❖ **PLASTIC ADDITIVES.**
- ❖ **MINES & MINERAL.**
- ❖ **PACKAGING MATERIAL.**
- ❖ **PP CORRUGATED SHEET.**
- ❖ **NON-WOVEN FABRICS.**

# POLYMER



Photo by John Mcsporrان.

# POLYMER

## ➤ POLYPROPYLENE. (PP)

Polypropylene (PP), also known as polypropene, is a thermoplastic polymer used in a wide variety of applications including packaging and labelling, textiles (e.g., ropes, thermal underwear and carpets), stationery, plastic parts and reusable containers of various types, laboratory equipment, loudspeakers, automotive components, transvaginal mesh and polymer banknotes. An addition polymer made from the monomer propylene, it is rugged and unusually resistant to many chemical solvents, bases and acids.

Polypropylene has a relatively slippery "low energy surface" that means that many common glues will not form adequate joints. Joining of polypropylene is often done using welding processes.



## ➤ POLYETHYLENE (PE)

### Development

Polyethylene (Polythene) is one of the world's most popular plastics. It is an enormously versatile polymer which is suited to a wide range of applications from heavy-duty damp proof membrane for new buildings to light, flexible bags and films. There are two major types of PE are in use in the films and flexible packaging sector, which are as follows:- **HDPE ( High Density)** - Used for most thin gauge carrier bags, fresh produce bags and some bottles and caps **LDPE- (Low Density)** -Used generally for trays and heavier duty film such as long-life bags and sacks, poly tunnels, protective sheeting, food bags etc



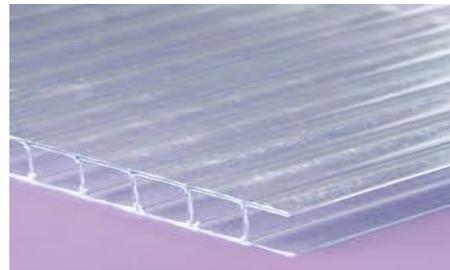
## ➤ ACRYLONITRILE BUTADIENE STYRENE (ABS)

ABS is a terpolymer made by polymerising styrene and acrylonitrile in the presence of polybutadiene. The proportions can vary from 15 to 35% acrylonitrile, 5 to 30% butadiene and 40 to 60% styrene. The result is a long chain of polybutadiene criss-crossed with shorter chains of poly(styrene-co-acrylonitrile). The nitrile groups from neighbouring chains, being polar, attract each other and bind the chains together,



## ➤ Polycarbonate PC

Transparency, excellent toughness, thermal stability and a very good dimensional stability make Polycarbonate (PC) one of the most widely used engineering thermoplastics. Compact discs, riot shields, vandal proof glazing, baby feeding bottles, electrical components, safety helmets and headlamp lenses are all typical applications for PC. Polycarbonate is most commonly formed with the reaction of bis-phenol A (produced through the condensation of phenol with acetone under acidic conditions) with carbonyl chloride in an interfacial process. PC falls into the polyester family of plastics. Polycarbonate remains one of the fastest growing engineering plastics as new applications are defined; global demand for PC exceeds 1.5 million tons.



## ➤ NYLONE 6 & 66

Nylons are one of the most common polymers used as a fiber. Nylon is found in clothing all the time, but also in other places, in the form of a thermoplastic. Nylon's first real success came with its use in women's stockings, in about 1940. They were a big hit, but they became hard to get, because the next year the United States entered World War II, and nylon was needed to make war materials, like parachutes and ropes. But before stockings or parachutes, the very first nylon product was a toothbrush with nylon bristles. Nylons are also called polyamides, because of the characteristic amide groups in the backbone chain. Proteins, such as the silk nylon was made to replace, are also polyamides. These amide groups are very polar, and can hydrogen bond with each other. Because of this, and because the nylon backbone is so regular and symmetrical, nylons are often crystalline, and make very good fibers.

# PLASTIC ADDETTIVES

## ➤ COLOUR MASTERBATCH

**Masterbatch (MB)** is a solid or liquid additive for plastic used for coloring plastics (**color masterbatch**) or imparting other properties to plastics (**additive masterbatch**). Masterbatch is a concentrated mixture of pigments and/or additives encapsulated during a heat process into a carrier resin which is then cooled and cut into a granular shape. Masterbatch allows the processor to colour raw polymer economically during the plastics manufacturing process.

### APPLICATION

- I. WOVEN SACK INDUSTRIES
- II. NON-WOVEN INDUSTRIES
- III. HOUSE-HOLD ITEM.
- IV. BLOW MOULDING ITEMS.
- V. ROTO MOULDING ITEMS.
- VI. SHADE NET.
- VII. PLASTIC FURNITURE.
- VIII. ENGINEERING PLASTIC.
- IX. PET BOTTLES.



## ➤ **CALCIUM CARBONATE**

Imported Calcium Carbonate Powder (Vietnam, Egypt, Malaysia)

Indian Calcium Carbonate Powder

### **Application :**

PVC pipe & fittings rigid

Foam board sheet

PVC flex banner , wire & cable

Door- window , PVC leather , suction hose

PVC flooring , WPC sheet and many PVC application.

Paper Industries

Paint industries.



## ➤ TITANIUM DIOXIDE

### Application:

CPVC pipe & fitting

Rigid / foam board sheet

PVC flex banner , wire & cable

PVC film , door and window profiles

Hoses & tubing , leather cloth

PVC flooring WPC foam board sheer & profiles and all PVC application.



## ➤ OPTICAL BRIGHTNER-1

### Application :

PVC pipe & fittings rigid foam board sheet

PVC flex banner , wire & cable , door- window

PVC leather , suction hose , PVC flooring

WPC sheet and many PVC application.



## ➤ LUBRICANT (PE WAX)

**PE WAX** , Also known as Polymer Wax, short for polyethylene wax, is widely used because of its excellent property of cold/heat/chemical resistance. In normal production, this part of wax can be directly added to the polyolefin processing as an additives, it can increase the gloss and processing performance.

### APPLICATION

- PVC Pipe, Fitting, Foam Sheet, Wpc sheet, Door Frame.
- Masterbatch.
- Pvc Stebilisers.
- Hot melt Adhesives.
- Paint.
- Rubber.
- Cosmetics.



- **LEAD BASED STABILIZER**
- **CA-ZN STEBILIZER.**
- **BA-CD STEBILIZER.**
- **TIN STEBILIZER.**
- **METAL STEBILIZER.**

## **APPLICATION**

CPVC pipe & fitting  
Rigid / foam board sheet  
PVC flex banner , wire & cable  
PVC film , door and window profiles  
Hoses & tubing , leather cloth  
PVC flooring WPC foam board sheer & profiles and  
all PVC application



## **MINES & MINERALS.**

A unit of Divya Corporation World has been Supply & Export snow and high transparent quartz grit and filler, calcium carbonate powder and calcite marble aggregates, low iron quartz (Glass Grade) and feldspar powder. DCW group is the biggest minerals export company in Ceramic State Gujrat ,india .



## ➤ POTASH & SODA FELDSPAR

in ceramic bodies , the main vitrifying (fluxing) agent is feldspar. The majority of white ware bodies contain good proportion of feldspar. It act as a flux. In the ceramic industries, the flux is defined as that portion of the body which develops glass phase. This is provided mostly by feldspar.

the amount of flux in a ceramic body should be only in such a proportion as to develop the desired amount of vitrification. If excess of flux is added, the fired body becomes very glassy and consequently, brittle.

### APPLICATION.

- Feldspar is generally used for ceramics, glass, electrodes.
- The glass and ceramic industries are the major consumers of feldspar and account for 95% of the total consumption.



## TECHNICAL SPECIFICATION OF POTASH & SODIUM FELDSPAR

COMPOSITION		POTASH FELDSPAR	SODIUM FELDSPAR
SILICA	SiO <sub>2</sub>	68% (+-1%)	68% (+-1%)
ALUMINA	Al <sub>2</sub> O <sub>3</sub>	18% (+-1%)	18% (+-1%)
SODIUM OXIDE	Na <sub>2</sub> O	2% (+-0.5%)	9% (+-1%)
POTASIIUM OXIDE	K <sub>2</sub> O	11% (+-0.5%)	0.50% (+-0.25%)
TITANIUM OXIDE	TiO <sub>2</sub>	Nil	Nil
CALCIUM OXIDE	CaO	0.50%	0.50%
MAGNESIUM OXIDE	MgO	Traces	Traces
FERRIC OXIDE	Fe <sub>2</sub> O <sub>3</sub>	0.08% (+-0.05%)	0.08%(+-0.05%)
LOSS ON IGNITION	LOI	0.40%	0.40%

## ➤ QUARTZ

Quartz is a mineral composed of silicon and oxygen atoms in a continuous framework of  $\text{SiO}_4$  silicon–oxygen tetrahedra, with each oxygen being shared between two tetrahedra, giving an overall chemical formula of  $\text{SiO}_2$ . Quartz is the second most abundant mineral in Earth's continental crust, behind feldspar.

Available Mesh Sizes: 80/100, 200/240, 300/325



# APPLICATION

- GLASS
- CERAMIC INDUSTRIE
- SANITARY WARE
- SOLAR PANEL
- SEMI CONDUCTOR.
- PAINTS
- PORCELAIN INDUSTRIES



## TECHNICAL SPECIFICATION OF QUARTZ

PARAMETERS	SNOW WHITE GRADE	SUPER SEMI GRADE	SEMI GRADE
SILICA (SiO <sub>2</sub> )	99 - 99.5%	98 – 99%	96 -97%
ALUMINA (Al <sub>2</sub> O <sub>3</sub> )	0.10%	0.10 – 0.15%	1% MAX
FERRIC OXIDE (Fe <sub>2</sub> O <sub>3</sub> )	0.02%	0.02 -0.03%	0.03% -0.05%
LOSS ON IGNITION(LOI)	0.01%	0.01%	0.02%
WHITENESS	95 - 97%	90 -94%	85 – 90%

## ➤ TALC

Talc is the softest rock in the world. Talc is hydrated magnesium silicate. It generally occurs in two morphologies, either macro- or microcrystalline. Talc can have slightly differing compositions subject to the associated minerals in the orebody, but all talcs exhibit to a lesser or greater extent the following unique features: softness, hydrophobicity, platyness and organophily. These properties can be further enhanced by careful and sometimes propriety processing and bring a number of specific benefits to a wide range of industries including paper, paints, plastics, ceramics, rubber, personal care and roofing.

### **APPLICATION**

- PLASTIC
- CERAMIC
- PAINT.
- PAPER
- COSMETICS
- ROOFING
- RUBBER



# PACKAGING MATERIAL.

## ➤ PP & HDPE WOVEN SACK FABRIC AND BAG.

We are providing a comprehensive range of HDPE/PP Woven Bags, which is reliable and manufactured as per BIS standards. Known for high tear strength, these are available in various sizes and colors to cater to diverse requirements of clients. These are mainly utilized to pack **cement, fertilizers, sugar, flour** and various other products.



## ➤ AGRO SHADE NET & CONSTRUCTION SAFETY NET

We offer a wide range of high quality Agro Shade Nets and Packaging Nets. These nets are made from 100% virgin HDPE and are treated with color masterbatches and Ultra-violet (UV) stabilizers. These nets are classified by the amount of sunlight that can pass through it. These products are mainly used in applications related to **crop protection , agriculture, Construction Safety**.



# PP CORRUGATED SHEET

**PP Corrugated Sheet** is consisting of two outer layers and a centre corrugated medium. It is manufactured from high impact co-polymer polypropylene; PP Corrugated Sheet is suitable for packaging, screen printing, digital printing, and floor protection, ideal for indoor and outdoor application.

Features of PP Corrugated Sheets are Light Weight and Easy Processed, Moisture Resistance and Heat Resistance, Easy to Clean and Maintain, Chemical Resistance and Non-toxic, Water and UV Resistance.

Available in **2440x1220mm, 2400x1200mm, 1830x1220mm, 450x600mm** or custom.

## APPLICATION

Advertisement

Agriculture Packaging

Industrial Packaging

Beverage Industries

Construction Industries

Temporary Protection

Plastic & Pallate

Printing Technology



# NON-WOVEN FABRIC

**Nonwoven fabric** is a fabric-like material made from staple fiber (short) and long fibers (continuous long), bonded together by chemical, mechanical, heat or solvent treatment. The term is used in the textile manufacturing industry to denote fabrics, such as felt, which are neither woven nor knitted. Some nonwoven materials lack sufficient strength unless densified or reinforced by a backing. In recent years, nonwovens have become an alternative to polyurethane foam.

We have supply from 10GSM to 400GSM, Medical Fabrics, Fabrics for Shopping bag, Industrial Fabrics, Health & Hygiene. The entire range is made by using superior quality raw material and with the latest state of art technology to ensure reliability.

## APPLICATION

- Packaging.
- Agriculture
- Industrial/Textile
- Medical
- Garments
- Furnishing / Upholstery
- Personal Hygiene / Cover Stock
- Filters



## **Our Values**

They guide the way we work with our business partners, within our communities and with each other. Through integrity, accountability, passion, humility, simplicity, safety and a focus on success, we have created a vibrant company culture where ideas can blossom, people can thrive and success can flourish.

## **Our Credibility**

Collaborative by nature and easy to do business with, we are responsive with honesty and integrity with a hands on approach.

## **Our Commitment**

Our brand promise, our deep enrooted commitment to building a robust, sustainable and responsible business for the long run. Delivering performance for our shareholders, remaining innovative for our customers, building lasting relationships for our employees, partners and communities.

## **Vision And Mission**

To be a leader in supply of all plastic and mines item in all over world with the help of valuable customers and to focus on customer satisfaction.