

|   |  |  |   |
|---|--|--|---|
|   |  | <br><br>POM / TPEE / TPU | <br>PC / PC+ABS / PC Sheet                     |
|   | <br>— 用新创享生活 —<br>TPU                                 | <br>PAI / PPA / PEEK /<br>PPSU / PSU / PESU   | <br>Energizing Chemistry<br>PA 6 / PA 66 / PBT |
|   | <br>CUSTOM-ENGINEERED TPE AND MORE<br>TPE (SBS, SEBS) | <br>PMMA /<br>PMMA HIGH IMPACT   | <br>PA 6 / PA 66                               |
| <br>ENGINEERING<br>PLASTIC COMPOUND  | <br>SARLINK / VYLOSHOT /<br>PELPRENE                  | <br>ABS / SAN / ASA /<br>STYROFLEX   | <br>PA12 / POWDER                              |
| <br>PP V-2 / HIGH HEAT /<br>ABS V-0 / ABS POWDER   | <br>PP GLASS FIBER /<br>PP TALCUM                   | <br>ABS HIGH FLOW /<br>HIGH HEAT / V-0 /<br>AES / ASA  | <br>PPE / PA 66 / POM                        |
| <br><br><br>POLYOLEFIN | <br>PP V-0 / TPV / TPO / TPE                        | <br>ASA / AES /<br>ABS PLATING   | <br>PPS / Masterbatch                        |

# PRODUCT LIST

TEL. (02) 630-2827-28, 236-5227-32

www.sy-smile.com FAX : (02) 630-2829

16 K&Y Building, 7<sup>th</sup> Floor, Surasak Road, Silom, Bangrak, Bangkok 10500, Thailand

## 1. Polycarbonate (PC) “Panlite<sup>®</sup>”

- Standard Grade : L-1225L, L-1225Y, L-1250Y and Color Compound
- Weather Resistance Grade : L-1225Z100
- Extrusion Grade (Profile, Sheet) : L-1250ZW
- Optical Grade : AD-5503
- Flame Retardant Grade (V-0) : LN-1250G (Translucent), LN-2250Y (Transparent)
- Glass Fiber Reinforced Grade : G-3410R, 15R, 20R, 30R (GF10-30%)



Protective Eyewear



Automotive Headlamp Lens



Ophthalmic lens



Electronic Parts



Parts for camera



**Panlite®** is Japan's first polycarbonate resin commercialized by Teijin.

## 2. PC Sheet & Film “Panlite®”

- Sheet : size = 914 x 1838 mm, 1000 x 2000 mm  
thickness = 0.4-1.5 mm
- Film : size = 927 x 400, 350, 300 m  
thickness = 0.125, 0.18, 0.25 mm



Roof & Window



Nameplates



Helmet Visor



Control Box Cover



Mobile Phone Housing



Camera Body

Combines the features of polycarbonate resin (PC) and acrylonitrile-butadiene-styrene (ABS) resin

## **Multilon®**



Instrument Panel



Door Handles

## 3. PC/ABS Polymer Alloy “Multilon®”

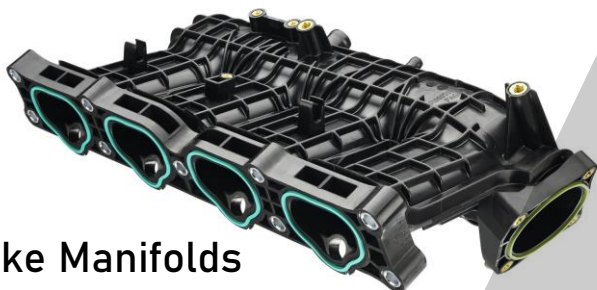
- Standard Grade : T-3011, T-3714
- Automotive Grade : T-2711, MK-1000A
- Flame Retardant Grade : TN-3800, TN-7000 (Non-Halogen)



Housings for electrical and Electronic components



### 1. Polyamide 6 (Nylon 6) “Durethan® B”



Intake Manifolds

- Non-Reinforced Grade :  
B 30 S (Natural, Black)
- Glass Fiber Reinforced Grade :  
BKV 15, 20, 25, 30, 35, 40, 50,  
60 (GF15%-60%)



Engine Cover

- Mineral Filled Grade :  
BM 230, BM 240 (MD30%,  
40%)
- Impact Modified Grade : BC 30

### 2. Polyamide 66 (Nylon 66) “Durethan® A”

- Standard Grade : A 30 S
- Glass Fiber Reinforced Grade : AKV 15,  
20, 25, 30, 40, 50 (GF15%-50%)



Oil filter caps



Thermostat Housing

## Durethan®

### 3. PBT “Pocan<sup>®</sup>”

- Non-Reinforced Grade : B 1305, B1600
- Flame Retardant Grade (V-0) : B 2505



Central Locking Switch



Connectors

Keycaps



Headlamp Bezels

- Glass Fiber Reinforced + Flame Retardant Grade (V-0) : B 4215, B 4225, B 4235 (GF12%, 20%, 30%)
- Glass Fiber Reinforced Grade : B 3215, B 3225, B 3235 (GF10%, 20%, 30%)

**Pocan<sup>®</sup> - Engineering Plastics  
made from PBT**

## 1. Polyamide 6 (Nylon 6)

- Automotive Grade : A1030F12
- Electric and Electronic Component Grade : A1030GFL (GF30%)
- Housing and Construction Materials Grade



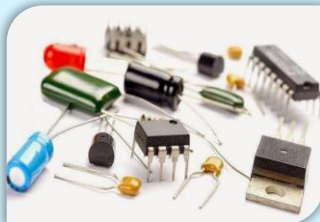
Engine Cover



Interior and Exterior parts



Electric Power Tool Housing



Electrical Component



Housing Components

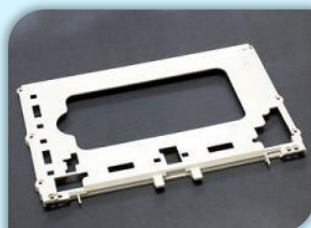


Construction Components

## 2. Polyamide 66 (Nylon 66)



Electrical Component

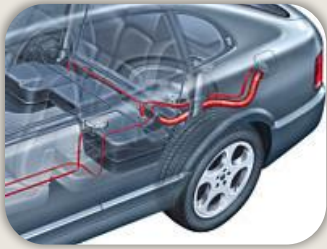


Protective frame of IC dictionary

- Automotive Grade : A125J
- Electric and Electronic Component Grade : 175S (GF30%)

## 1. Polyamide 12 “Vestamid® L”

- Standard Grade : L1600, L1700, L1901



Fuel Line Systems

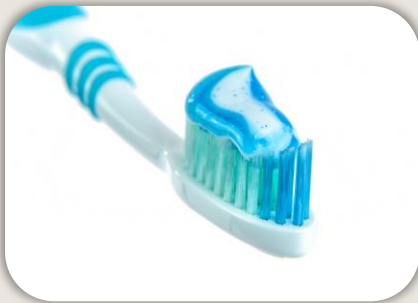


Medical Technology



Machinery and  
Engineering

## 2. Polyamide 6 12 “Vestamid® D”



Toothbrush



Hydraulic Clutch Lines

## 3. Polyamide 12 Elastomers “Vestamid® E”



Sports Shoes



Sports Goods

## 1. Polyamide 66 “Leona™”

- Non-Reinforced Grade :  
1300S, 1302S, 1402S
- Glass Fiber Reinforced Grade :  
13G15 (GF15%), 1300G  
(GF33%), 14G33 (GF33%)



Cable Ties



Connectors



Radiator  
Tanks



Coil  
Bobbins

## 2. Modified polyphenylene ether “Xyron™ mPPE”



Hot-water line parts



Copier



Wheel Cap



Spoiler

- Heat Resistance Grade :  
300H, 400H, 500H
- Flame Retardant Grade :  
100V(Z), 240V(Z), 340V(Z),  
540V(Z)
- Automotive Grade :  
X0708, X0715, X0718,  
X0722, X5516



## 3. POM (Homopolymer) "Tenac"

- General - Purpose Grade : 4010



Wheel for window sash



Keyboard Stems



Gears for Laser Printers

## 4. POM (Copolymer) "Tenac - C"

- Standard - Flow Grade : 4520
- HC Series (Standard - Flow Grade) : HC450



Clasps



Fuel Pump Modules



Wiper Motor Gears



Washing Machine Hose Joints

## 1. PPS “DIC.PPS”

- Standard Grade : FZ-1140 (GF40%), FZ-3600 (GF30%, Mineral filled 30%)



Hot Plate Holder



On/Off Switch

## 2. MASTERBATCH “PEONY”



- White Masterbatch : PEONY WHITE F-11508M

- Black Masterbatch : PEONY BLACK F-30940MM



Non Woven Fabric



Cosmetics Tube



Food Packaging



Automotive



Water pipe



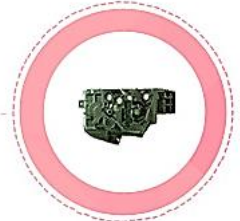
Wire & Cable

## 1. POM (Copolymer) “Kocetal®”

- Standard Grade : K300
- High Flow Grade : K700



DC Motor Gear



Door Latch Housing



Speaker Grill



Window Regulator C\_Plate

## 2. TPEE “Kopel®”

- Standard Grade : KP3340



Airbag cover



CVJ Boots



Film&Membrane



Golf Ball Core

## 1. TPU “ELLAS®”



# SOLVAY Advanced Polymer

1. PAI (Polyamide-imide)



2. PEEK (Polyetheretherketone)



3. PESU (Polyether Sulfone)



4. PPA (Polyphthalamide)



5. PSU (Polysulfone)



6. PPSU (Polyphenylsulfone)  
and Modified PPSU



**DIAPOLYACRYLATE CO., LTD.****1. PMMA (Acrylic) “Acrypet”**

- Standard Grade : VH, MD, MF, V

**Automotive Tail Lamp Lens****Lightings**

- High Impact Grade : IRD50, IRD70, IRS404

**Washing Machine Cover****Dinning Table Set**

ACRYPET™ is the trademark of methacrylic resin (PMMA) of Mitsubishi Chemical Corporation

## 1. ABS “Novodur®”

Novodur® is INEOS Styrolution’s brand of specialty acrylonitrile butadiene styrene (ABS) copolymers.

|                 |   |                                |                |
|-----------------|---|--------------------------------|----------------|
| General purpose | Enhanced flow                           | Chemical resistance            | NOVODUR M201AS |
|                 |   | High flowability, food contact | NOVODUR 240    |
|                 |   | Stiffness                      | NOVODUR 250    |
|                 |   | Balanced properties            | NOVODUR 440    |
|                 |   |                                | NOVODUR 450    |
|                 |   | Enhanced impact strength       | NOVODUR 640    |
|                 |   | High impact strength           | NOVODUR 650    |
|                 |   | Chemical resistance            | NOVODUR 680    |
|                 |   | Electroplating                 | NOVODUR 377    |
|                 |   | Painting                       | NOVODUR 970    |
| Enhanced flow   | NOVODUR P2H-AT                          |                                |                |
| Medium heat     | Chemical resistance, excellent painting | NOVODUR H604                   |                |
|                 | Enhanced flow                           | NOVODUR H605                   |                |



Sanitary Wares



Credit card

INEOS STYROLUTION is the leading, global styrenics supplier with a focus on styrene monomer, polystyrene, ABS Standard and styrenic specialties.

# 1. ABS “Novodur®”

|              |                                       |                |
|--------------|---------------------------------------|----------------|
| High heat    | Balanced property, impact strength    | NOVODUR H701   |
|              | Enhanced flow                         | NOVODUR H702   |
|              | Balanced property                     | NOVODUR HH-106 |
|              | Impact strength                       | NOVODUR H801   |
|              | Stiffness                             | NOVODUR H802   |
| Highest heat | High stiffness, high tensile strength | NOVODUR HH-112 |
|              | Impact strength                       | NOVODUR H950   |
|              | Low flow                              | NOVODUR P2T    |



Printer housing



Automotive exterior parts

# 2. SAN “Luran®”

Luran® is a styrene acrylonitrile copolymer (SAN) featuring a well-balanced property profile ranging from good transparency and excellent chemical resistance to high stiffness, extraordinary heat resistance as well as very good dimensional stability.

|                     |                        |                      |             |
|---------------------|------------------------|----------------------|-------------|
| Food contact        | Excellent transparency | High impact strength | LURAN 368R  |
|                     |                        | Easy flow            | LURAN SAN C |
|                     | Water clear            | High flow            | LURAN SAN W |
| Chemical resistance | Easy flow              | LURAN SAN 51         |             |
|                     |                        | LURAN 378P           |             |
|                     | High impact strength   | LURAN 338S           |             |



Blender Jar



Refrigerator Trays



Lighter

## 3. Acrylonitrile Styrene Acrylate (ASA) “Luran® S”

Luran® S acrylonitrile styrene acrylate (ASA) polymers feature high surface quality and good impact strength including enhanced colour fastness. The products deliver superior long-term performance when exposed to UV irradiation and heat and additionally provide excellent chemical resistance.

|                  |                     |              |
|------------------|---------------------|--------------|
| High heat        | Chemical resistance | LURAN S 778T |
|                  | Enhanced flow       | LURAN S 757G |
|                  | Enhanced stiffness  | LURAN S 757R |
|                  | Universal           | LURAN S 777K |
| LURAN S 796S (E) |                     |              |



Automotive Application



Household applications

## 4. Styrene Butadiene Block Copolymer (SBC) “Styroxflex®” (Impact Strength Modifier and Compatibilizer)

Styroxflex® is a styrene-butadiene block copolymer (SBC) with the properties of a thermoplastic elastomer (S-TPE), suitable for extrusion (including both blown and cast film) and injection molding. Characterised by a combination of high resilience and toughness, optical clarity and process stability Styroxflex offers as well a good printability and good adhesion to many different polymers.

|                 |                     |                |
|-----------------|---------------------|----------------|
| General purpose | Water clear clarity | STYROFLEX 2G66 |
|-----------------|---------------------|----------------|





## 1. ABS “Kralastic®”

- High Flow Grade : GA-701
- High Impact Resistance Grade : GA-501
- High Heat Resistance Grade : KU-600 R-1
- High Rigidity Grade : GA-101
- Frame Retardant Grade : AN-450 (V-0)  
AN491 (V-0, UV resistance)
- Plating Grade : AP-8A



Projector

## 2. AES “Unibrite®”

- Standard Grade : UB-311
- High Impact Resistance Grade : UB-500A



Circuit Breaker Box

## 3. ASA “Unibrite®”

- Standard Grade : UA-1300
- High Flow Grade : UA-1200
- Middle Impact Resistance Grade : UA-1500
- High Resistance Grade : UA-1800



Plating Part

### Main Function

To supply ABS resins and others as same brand produced by IRPC to Japanese transplants mainly such as automotive makers.

### Shareholders

THAI ABS CO., LTD. (TAC) (60%); NIPPON A&L INC. (35%); SUMI-THAI INTERNATIONAL LTD. (5%) (TAC is a subsidiary company of IRPC Public Co., Ltd.)

# Techno-UMG Co., Ltd

## 1. ABS Plating “UMG ABS®”

- Automotive Grade

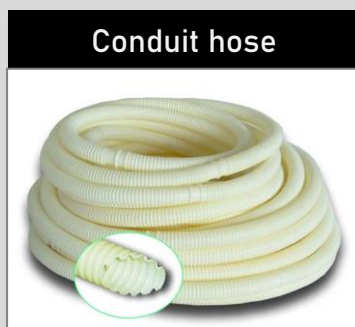


## 2. ASA Resin “Dialac® A Type”



## 3. AES Resin “Dialac® E Type”

- Weather Resistance Grade : SK30



# HUAFON GROUP

## 1. TPU “HUAFON®”

- Hardness start Shore 60A to Shore 75D



Shoe materials, clothing, pipe and cable, medical devices



Wheel



Handle Gear  
Knobs and  
Center Consoles



Golf Ball



Surf Leash

## 1. TPE “Thermolast®”

- Hardness start Shore 5A to Shore 66D

### - TPE “THERMOLAST® K”

- Moulding in combination with many material
- Series with FDA

### - TPE “THERMOLAST® V”

- Polyamide bonding
- High temperature application
- Dynamic and static seals

### - TPE “THERMOLAST® A”

- UV resistance
- Excellent adhesion to PC and ABS
- Automotive application

### - TPE “THERMOLAST® M”

- Medical application



Consumer



Medical application

## 2. TPE “Hipex®”

- Temperature resistant to 170°C
- Outstanding adhesion to POM, PA and PBT
- Use in machines and “under the hood” components



Automotive

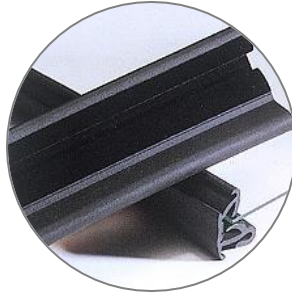
## TOYOBO

### 1. TPO “Sarlink®”

- Standard Grade : 3190N



Automotive Parts



Sealing materials

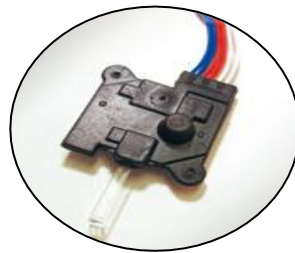


Hose / Tube

### 2. COPOLYESTER RESIN “Vyloshot®”



Connector



Electronic Board

### 3. TPEE “Pelprene®”



Ball Joint Bush



Gear

## BASELL ADVANCED POLYOLEFINS

### 1. Fiber Glass Filled PP

- Headlight supports, Battery trays and housings, Fan shrouds, Air conditioner housings, Pump housings

Standard Grade : Hostacom 5107, TM012, TM014

### 2. Rubber Modified PP

- Fascias, Interior trim, Truck grilles, Claddings, Side moldings and air ducts, Industrial roofing, Lawn and garden tools, Appliance housings, Seals

Standard Grade : Hostacom 0235, Hifax 0307

### 3. Mineral Reinforced PP

- Power tools, Electrical components, Outdoor furniture, Lawn and garden fixtures

Standard Grade : Hostacom 1238, 1103

### 4. Color Compounds and Additives- Modified PP



# LONGKOU DAWN ENGINEERING PLASTIC SHANDONG DAWN B-H ELASTOMER MATERIALS



## 1. Engineering Plastic Compound

- PP V-0, V-1, V-2



## 2. Thermoplastic Elastomer “Dawnprene®”

- TPV, TPO, TPE Hardness start Shore 25A to 50D (Flammability : HB to V-0)



is a globally preeminent supplier of advanced materials.

## 1. Engineering Plastic Compound

- Flame Retardant Resin
- Reinforced and Toughened Resin



Automotive



Construction Material



Electronics



Household Appliances



Lighting Industry



Office Supplies



# IRPC Public Company Limited

1. PP Flame Retardant ; V-2
2. PP High Heat Resistance
3. ABS Flame Retardant ; V-0 ABS Color Compound
4. ABS Powder : Standard grade - AP5000



# Polyolefin Plastics

1. HDPE



2. LDPE



3. LLDPE



4. PP



# SY SMILE

## About Us

We was established in July, 1999. Our team have experienced in plastic resin more than 20 years, so we can assure our service to each customer. In addition, we can make stock of material to assure that we can deliver material to customer on time.

Products :

- Plastic Resin
- Machine and Spare Part
- Spinnerette
- Fishing Lines

### Contact Us :

SY SMILE CO., LTD.

16 SURASAK ROAD, SILOM, BANGRAK  
BANGKOK 10500 THAILAND

TEL. +66-2630-2827-28, +66-2236-5227-32

FAX. +66-2630-2829

EMAIL : sales@sy-smile.com, sytrade@sy-smile.com



Scan for tour  
our website