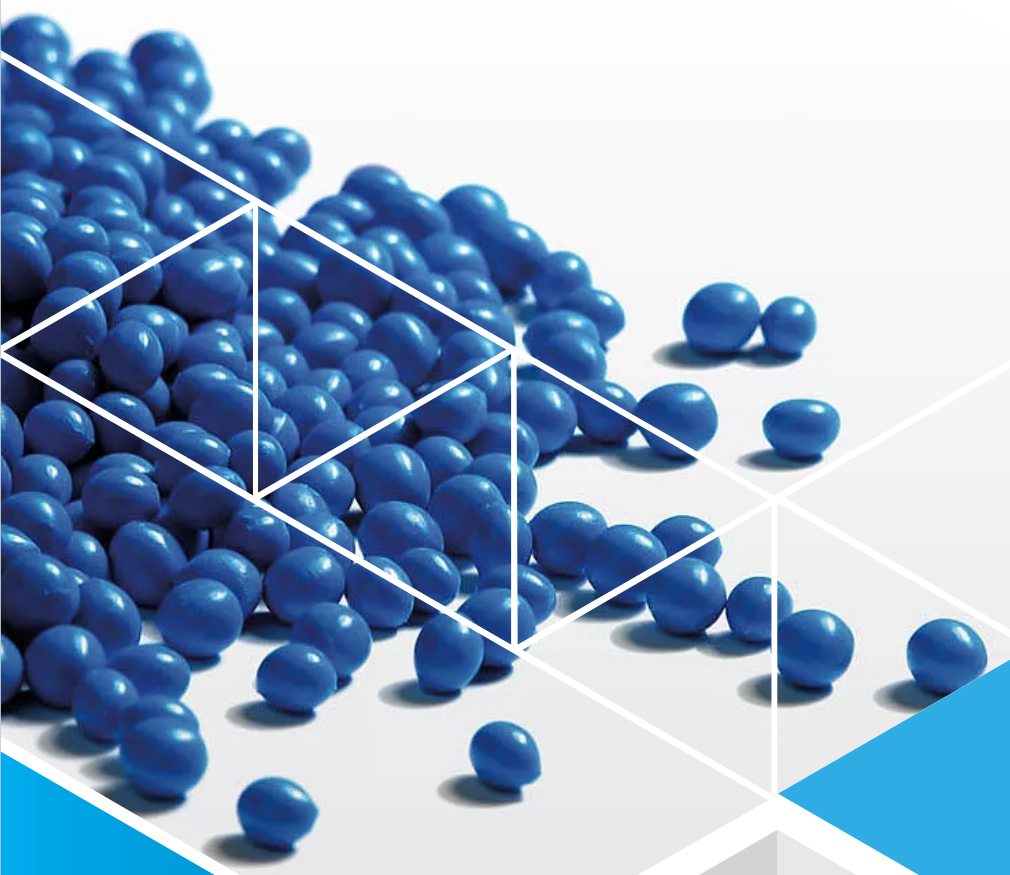




FlexiShine™



Creative customized  
**Compounds of TPE**

## ABOUT US

Welcome to Flexishine, India's leading Polymer Compounding Group specializing in Thermoplastic Elastomer (TPE). Our mission is to add value, functional performance, and a soft-touch aesthetic to a diverse range of applications in Consumer, Medical, Automobile, Electronics, and Construction markets.

At Flexishine, we are committed to contributing to the industry's growth through unwavering dedication, honesty, and the delivery of top-quality products to our customers. By staying attuned to the market's needs, we have revolutionized the manufacturing of **TPE, TPV, TPO, TPR, TPS** compounds to align perfectly with the present market demand and supply.

## SERVICE & TECHNOLOGY

Our Technical department is the Heart of what we do. Five ways our Technical Team are support.



**"We focused on Customer Result and our speciality is customized TPEs, delivered efficiently & quickly"**

• TPE • TPV • TPO • TPR • TPS • Filled PP



## AUTOMOTIVE APPLICATION

Flexishine Polyblends LLP, a leading polymer compounding group, revolutionizes the automotive industry with top-quality Thermoplastic Elastomer (TPE) compounds. Our high-performance solutions offer unparalleled durability, flexibility, heat, oil, and abrasion resistance. Elevate your automotive applications with our advanced materials, from wire and cable insulation to gaskets, seals, soft-touch grips, and handles. Trust Flexishine for unmatched automotive excellence.

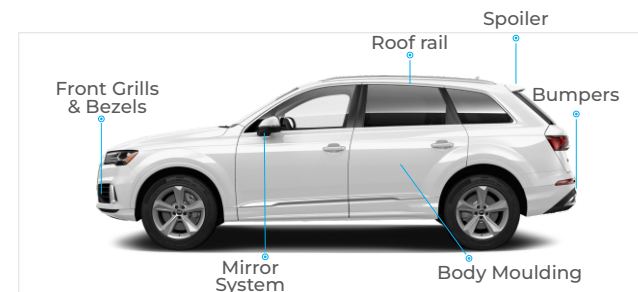
### SPECIFICATION

- Excellent surface properties and soft-touch
- Long term heat ,UV & Ozone resistance
- High temperture resistance and Flexibility even at low temperatures
- High Flow grades
- Good compression set
- Excellent sealing properties
- Good Ageing Properties
- Standards to meet FDA ,ROHS Complaint
- Designed to meet Auto interior and exterior norms
- Compounds for injection moulding, extrusion or blow moulding
- Adhesion to various thermoplastics ie with PP ,HIPS ,ABS and Nylon
- Recyclable in production

### CHARACTERISTICS

### UNITS

Hardness	
ASMT D 2240 Shore A	40 - 90
ASMT D 2240 Shore D	30 - 65
Density	0.90 gm/cc - 1.15 gm/cc
ASMT D 792	
Tensile strength at break	4 mpa - 30 mpa
ISO 37	
Elongation at break	400 - 750
ISO 37	
Tear strength at break	15 KG/CM2 - 65 KG/CM2
ISO 34	
Brittleness temperature	>= -45
ASTM D 746	
Abrasion resitance	Excellent
Weight loss	
Compression set	>=35 %
70 C 22 hrs	
ASTMD 395	
Oil resitance	Excellent
Wetherbillity	Excellent



### Automotive Exterior Application



### Automotive Interior Application



### Automotive Under the Hood



### Two-Wheeler

## CONSTRUCTION / CONSUMABLE APPLICATION

Elevate your construction and agriculture projects with Flexishine Polyblends LLP's top-tier Thermoplastic Elastomer (TPE) compounds. Our weather-resistant, UV-stable, and recyclable products ensure durability and reliability. Benefit from excellent adhesion and sealing performance for window profiles and irrigation pipes. With eco-friendly, flame-retardant, and fungus-resistant properties, Flexishine delivers sustainable solutions for a greener and safer future.



### SPECIFICATION

- Excellent sealing performance
- Good pressure handling capacity
- Good flexibility
- Fast & efficient processing
- Long term heat ,UV resistance
- Custom coloured compounds
- Impact modifier for various thermoplastics
- Adhesion grades for hard-soft combinations
- Standards to meet FDA ,ROHS Complaint
- Compounds for injection moulding, extrusion or blow moulding
- Adhesion to various thermoplastics ie with PP ,HIPS ,ABS and Nylon
- Recyclable in production

### CHARACTERISTICS

### UNITS

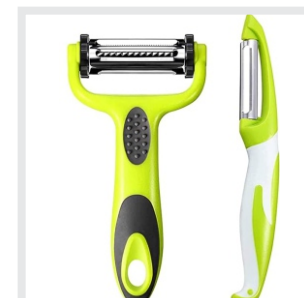
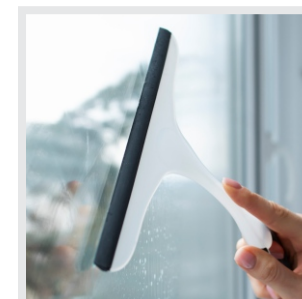
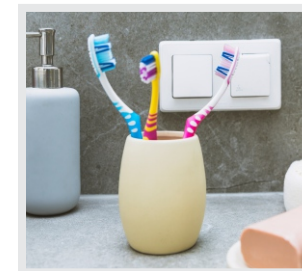
Hardness	
ASMT D 2240 Shore A	40 - 99
ASMT D 2240 Shore D	30 - 55
Density	0.88 gm/cc - 1.35 gm/cc
ASMT D 792	
Tensile strength at break	2.5 mpa - 20 mpa
ISO 37	
Elongation at break	250 - 1000
ISO 37	
Tear strength at break	10 KG/CM2 - 45 KG/CM2
ISO 34	
Compression set	>=50 %
70 C 22 hrs	
ASTMD 395	





## KITCHENWARE /HOUSEWARE APPLICATION

Discover the perfect blend of safety and innovation with Flexishine Polyblends LLP's Thermoplastic Elastomer (TPE) compounds for kitchenware and household applications. Our cutting-edge materials ensure safety, hygiene, and effortless cleaning. Choose from a wide array of vibrant colors and delightful textures to elevate your kitchen with dishwasher and freezer compatibility. Flexishine empowers your kitchenware with excellent sealant and leakproof properties.



### SPECIFICATION

- Silky smooth, soft-touch or non-slip surfaces possible
- PVC & Latex Free
- Oil resistance
- Translucent, transparent & coloured compounds
- Adhesion grades for hard-soft combinations
- Antimicrobial grades
- TPE for silicon applications
- Customised colours
- Fast & efficient processing
- Standards to meet FDA ,ROHS Complaint
- Compounds for injection moulding, extrusion or blow moulding
- Adhesion to various thermoplastics ie with PP ,HIPS ,ABS and Nylon
- Recyclable in production

### CHARACTERISTICS

### UNITS

Hardness	
ASMT D 2240 Shore A	25 - 90
ASMT D 2240 Shore D	30 - 50
Density	0.88 gm/cc - 1.3 gm/cc
ASMT D 792	
Tensile strength at break	3 mpa - 30 mpa
ISO 37	
Elongation at break	300 - 900
ISO 37	
Tear strength at break	10 KG/CM2 - 50 KG/CM2
ISO 34	
Compression set	>= 50%
70 C 22 hrs	
ASTMD 395	
Adhesion	PP/HIPS/ABS/NYLON



## TOYS /SPORT APPLICATION

Embark on a world of creativity and play with Flexishine Polyblends LLP's exceptional Thermoplastic Elastomer (TPE) compounds for sports. Our soft, elastic, and child-safe products inspire imagination and adventure. With an array of vibrant colors and captivating designs, trust Flexishine for non-toxic, odorless, and washable solutions that prioritize the well-being of athletes and enhance their sporting experiences.

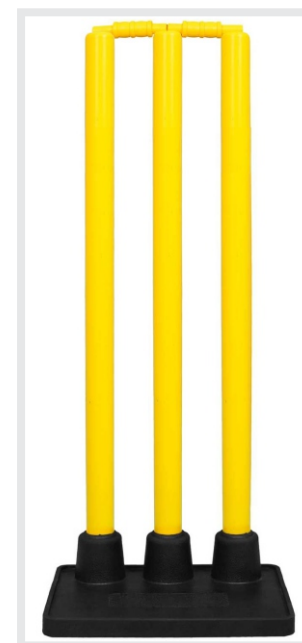
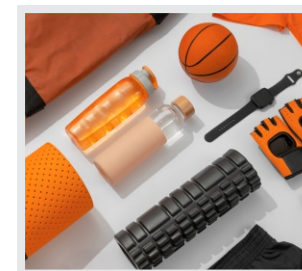
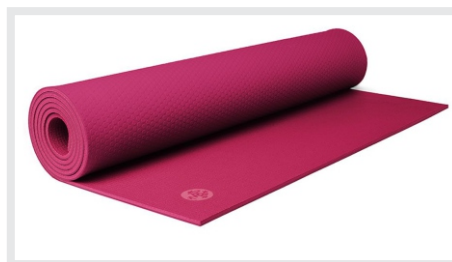
### SPECIFICATION

- Silky smooth, soft-touch or non-slip surfaces possible
- Good Gripping properties
- Environmentally-friendly series
- PVC ,Silicon ,phalates ,heavy metals & Latex Free
- Fast & efficient processing
- Compunds with high softness for gel based application
- Standards to meet FDA ,ROHS Complaint
- Add appeal and design trends with colour and transparency
- Adhesion grades for hard-soft combinations
- Compounds for injection moulding, extrusion or blow moulding
- Adhesion to various thermoplastics ie with PP, HIPS, ABS and Nylon
- Recyclable in production

### CHARACTERISTICS

### UNITS

Hardness	
ASMT D 2240 Shore A	0 - 99
ASMT D 2240 Shore D	30 - 55
Density	0.88 gm/cc - 1.35 gm/cc
ASMT D 792	
Tensile strength at break	4 mpa - 15 mpa
ISO 37	
Elongation at break	400 - 1200
ISO 37	
Tear strength at break	10 KG/CM2 - 45 KG/CM2
ISO 34	
Compression set	>=50 %
70 C 22 hrs	
ASTMD 395	



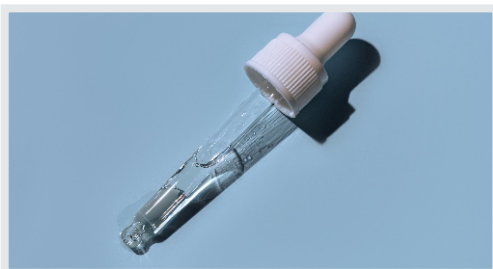
## HEALTHCARE APPLICATION

Flexishine Polyblends LLP is a specialist in Thermoplastic Elastomer (TPE) compounds for the healthcare and medical segment. Their products are biocompatible, sterilizable, and compliant with various regulations. They also have excellent mechanical and chemical properties. Whether it is for catheters, syringes, or masks, Flexishine Polyblends LLP has the best product for you. Their products are also latex-free, PVC-free, and phthalate-free.



### SPECIFICATION

- Designed to meet all medical requirement as per FDA standard
- Excellent sealing properties
- Fast & efficient processing
- Translucent, transparent & coloured compounds
- Sterilisable with ETO & steam
- Excellent sealing properties
- PVC & Latex Free
- Compounds for injection moulding, extrusion or blow moulding
- Recyclable in production



### CHARACTERISTICS

### UNITS

Hardness	
ASMT D 2240 Shore A	30 - 90
ASMT D 2240 Shore D	30 - 50
Density	0.88 gm/cc - 1 gm/cc
ASMT D 792	
Tensile strength at break	4 mpa - 15 mpa
ISO 37	
Elongation at break	400 - 1200
ISO 37	
Tear strength at break	15 KG/CM2 - 65 KG/CM2
ISO 34	
Compression set	>=35 %
70 C 22 hrs	
ASTMD 395	





### Factory

89/1 Opp. Arvind Mill, Khatraj-Vadsar Road, Khatraj,  
Tal. - kalol, Gandhinagar - 382721

✉ [infotpe@flexishinepolyblends.com](mailto:infotpe@flexishinepolyblends.com)

🌐 [www.flexishinepolyblends.com](http://www.flexishinepolyblends.com)



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### Regd. Head Office

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