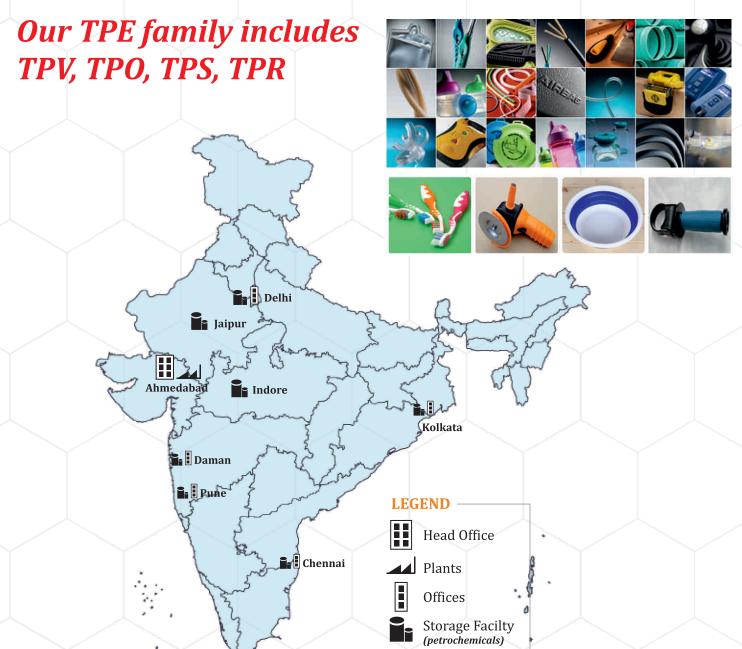






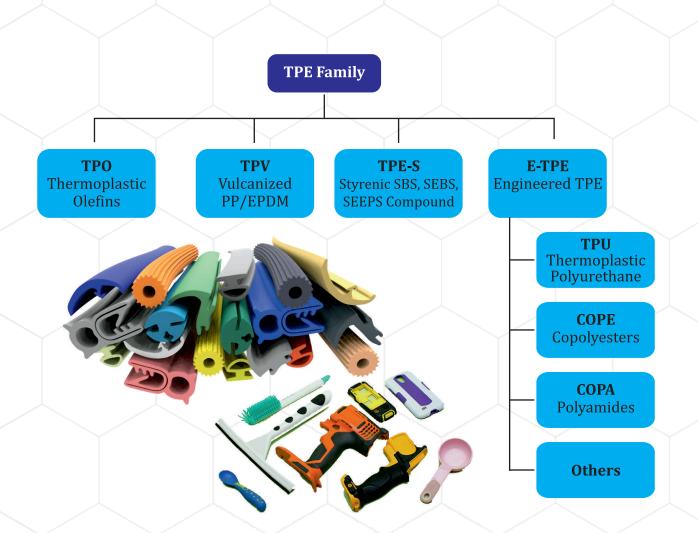
WELCOME TO FLEXISHINE POLYBLENDS

INDRODUCING THERMOPLASTIC ELASTOMERS TPE TO EXCEED TODAY'S HIGHEST PERFORMANCE REQUIREMENT AND READY FOR OUR CUSTOMERS FUTURE NEEDS



	Flexiprene SEBS/SBS/SEEPS	Flexiprene V	Flexipro	
Hardness Set (ISO 868) (Shore A-D)	30 A - 50 D	40 A - 55 D	50 A - 60 D	
Density (g/cm3)	0.88 - 1.4	0.93 - 1.1	0.88 - 1.12	
Compression Set	Good	Excellent	Very Good	
Tensile Set (ISO 527)	1.5 MPa - 12 MPa	3 MPa - 10 MPa	10 kg/cm3 - 30 kg/cm3	
Tear Set (ISO 34)	20 kg/cm3 - 60 kg/cm3	20 kg/cm3 - 120 kg/cm3	30 kg/cm3 - 50 kg/cm3	
Elongation Set (ISO 527) (%)	300 - 1200	500 - 1000	400 - 1000	
Working Temp. Max. (°C)	130	140	100	
Working Temp. Min.(°C)	-30	-40	-40	
Adhesion	PP/ABS/HIPS/SAN/PC/NYLON	PP/ABS/HIPS/SAN/PC/NYLON	PP/ABS/HIPS/SAN/PC/NYLON	
Solvent Resistance	Medium	Good	Medium	
Motor Oil Resistance	Good	Excellent	Medium	
Acid-Base Resistance	Excellent	Excellent	Excellent	
UV-Ozone Stability	Medium	Excellent	Excellent	

Note: For all above properties, please refer to customized / specific grades product data sheet before evaluating.



TPE materials have performance properties like that of thermoset rubbers but with the process and design flexibility like plastics, thereby providing wide design options and enhanced cost reduction opportunities







Automotive Segment

- Adhesion to PP, HDPE, ABS, HIPS, NYLON & PC
- Easy colouring (compounds in natural & Transparent colours)
- Excellent mechanical properties
- Excellent processing behaviour
- · Pleasant surface feel (Soft touch)
- · High UV & Ozone resistance
- · Superior surface finish
- · High flow.
- Excellent resilience
- · Good compression set
- Smooth injection mouldable
 & extrudable
- Designed to meet the Auto interior & exterior norms
- Designed to meet REACH & RoHS requirement







Consumer /Electronics / Footwear / Sports & Kitchen Utensils SEGMENT

- · Soft Grips / Toothbrushes
 - Adhesion to PP, ABS, HIPS, SAN, PC & NYLON
 - Easy colouring (compounds in natural & transparent colors)
 - Easy flowing
 - Excellent mechanical properties
 - Excellent Chemical Resistivity
 - Good weathering resistance
 - High flame retardant properties
 - High degree of scratch resistance
 - Wide ranges of Grades suitable for all kinds ball pen grippers, non Pvc strain free erasrs
 & DF barrel coating grades .
- Designed to meet REACH, RoHS, FDA & EN 71 requirement
- Wide ranges of products for suitable moulding & extrudable granules for Household articles, Packaging, Razors, Kitchen utensils & Garden equipment's.
- · Seals / Toothbrushes Soft grip / Toys
 - Applications with food contact
 - Easy colouring (compounds in natural colours)
 - Excellent mechanical properties
 - Excellent processing behaviour
 - Halogen-free
 - In natural or translucent available
 - Pleasant surface feel (Soft touch)
 - Recyclable
 - Excellent wear resistance
 - Highly transparent
 - Super soft
 - Excellent compression set
 - Good abrasion resistance for castor wheel & luggage wheel applications
 - Wide range of proven grades suitable for manufacturing of all kinds of washers for irrigation pipes, cpvc pipes & automotive grades









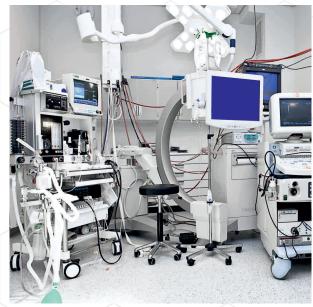






Medical / Surgical Goods Segment

- Excellent mechanical properties
- For injection moulding
- Free of animal based ingredients
- Sterilizable
- · Excellent transparent grades
- Wide ranges offlow characteristics materials to meet the critical part mouldings
 - Low Friction
 - Translucent
 - Excellent resealing properties
 - Excellent elasticity combined with
- · Latex free & phthalate free compound
- Designed to meet all medical requirement as per IS & FDA standard
- Adhesion to PP,ABS,HIPS, SAN , PC & NYLON







Household articles / Packaging / Razors / Seals / Toothbrushes Soft grip / Toys





- · Applications with food contact
- Easy coloring (compounds in natural colors)
- · Excellent mechanical properties
- · Excellent processing behavior
- · Halogen-free
- · In natural or translucent available
- · Pleasant surface feel (Soft touch)

EXCELLENT

GOOD

MEDIUM

- · Recyclable
- · Excellent wear resistance
- · Highly transparent
- · Super soft
- · Excellent compression set



2-shot molding onto wide range of plasics

Suitable for co-extrusion process

Flexiprene

TPE Characteristics		Flexiprene V	Flexipro
Wide hardness range	•	•	•
Does not require vulcanisation-quire higher saving on the processing costs		•	•
Remains flexible at low temperatures			•
High temperature resistance	•	•	•
Electrical insulator with very low conductivity	•	•	•
Has grades with very low compression set		•	•
Grades having excellent abrasion resistance			•
Excellent tear resistance		•	
100% recyclable	•	•	•
PVC free	•	•	•
Resistance to solvents		•	•
Resistance to oil		•	
Resistance to acids bases and detergents			•
Resistance to UV and ozone		•	•
Resistance to bacterial and fungus growth		•	•
Has low toxic potential, with many grades conforming with FDA regulations			•
Halogen free flame retardancy (V0-V1-V2)			•
Colored grades available		•	
Allows direct colouring during processing by utilizing PP or PE based color		•	•
	+		-



89/1, Opp. Arvind Mill, Khatraj-Vadsar Road, Khatraj, Tal-Kalol, Dist: Gandhinagar-382721 E-33, Almaltas Flat, Nr. Fun Republic Cinema, Satellite, Ahmedabad. Gujarat, India.

9824032406 | 9377482340 | 7742447774

marketing@flexishinepolyblends.com

www.flexishinepolyblends.com