

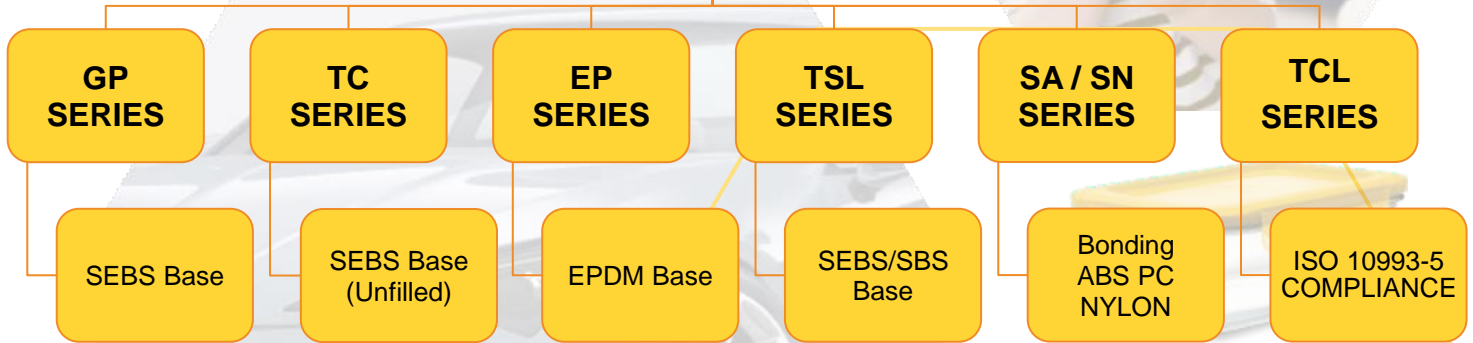


We are committed to provide High Performance Thermoplastic Elastomer material (TPE), with customized engineered properties. We offer TPE solutions in automotives, industrial, electronics & electrical, consumer as well as medical application market.

With the state of art manufacturing technology, CP Chemie and Ever Polymer offer our customers excellent quality material and provide technical support locally and internationally.

- **ISO9001 : 2015**
- **High Quality**
- **Innovative R&D**
- **Competitive Price**
- **Low MOQ**
- **TPE Properties Customization**

**PERFLEX  
Chemieprene**



**TPE Characteristics**

- **Recyclable**
- **Good Weather Resistance**
- **Good Tensile Strength**
- **Good Mechanical Properties**
- **Good Elongation**
- **Elastomeric Properties**
- **Easy Thermoplastic Processing**
- **Ease for Colour Matching**

Compound	GP / TSL / TC Series	EP Series	SA / SN Series	TCL Series
Hardness	5A – 60D	40A – 60D	35A – 90A	20A – 60D
Colour	Natural / Black / Translucent	Natural / Black	Natural / Black	Natural / Black / Translucent
Bonding	PP, PE	PP, PE	ABS, PC, Nylon	PP, PE
Application(s)	<ul style="list-style-type: none"> <li>• Toothbrush and Shaver Grip</li> <li>• PowerTool Grip</li> <li>• Baby Product</li> <li>• Torniquet Bandages</li> <li>• Castor Wheels</li> <li>• Automotive Parts</li> <li>• Syringe Stopper</li> <li>• Footwear</li> </ul>	<ul style="list-style-type: none"> <li>• Windows Profile</li> <li>• Automotive Sealing</li> <li>• Automotive Parts</li> </ul>	<ul style="list-style-type: none"> <li>• PowerTool Grip</li> <li>• Home Appliances</li> <li>• Industrial Product</li> </ul>	<ul style="list-style-type: none"> <li>• Syringe Gasket</li> <li>• Medical Component</li> <li>• Packaging Material</li> </ul>
Material Advantage(s)	<ul style="list-style-type: none"> <li>• Customize Flow</li> <li>• Good Weather Resistance</li> <li>• Good Processibility</li> <li>• Food Contact Compliance</li> </ul>	<ul style="list-style-type: none"> <li>• Good Weather Resistance</li> <li>• Good Compression Set</li> <li>• Good Heat Resistance*</li> <li>• Good Chemical Resistance*</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent Bonding</li> </ul>	<ul style="list-style-type: none"> <li>• ISO 10993-5 Compliance</li> </ul>

**PERFLEX GP SERIES & TCL SERIES (SEBS BASE)**

Physical Properties	Method	Unit	GP-30	GP-40	GP-50	GP-60	GP-70	GP-80	GP-90
Colour	-	-	Natural	Natural	Natural	Natural	Natural	Natural	Natural
Hardness	ASTM D2240	Shore	30A	40A	50A	60A	70A	80A	90A
Density	ASTM D792	g/cm <sup>3</sup>	1.00	1.05	1.05	1.06	1.06	1.06	1.06
Tensile Strength	ASTM D412	kg/cm <sup>2</sup>	28	31	37	43	60	66	72
Elongation at Break	ASTM D412	%	500	500	500	500	500	450	430
Tear Strength	ASTM D624	kg/cm	15	17	17	25	25	35	52

**EVERPOL PERFLEX TC SERIES & TCL SERIES (UNFILLED SEBS BASE)**

Physical Properties	Method	Unit	TC-30	TC-40	TC-50	TC-60	TC-70	TC-80	TC-90
Colour	-	-	Translucent	Translucent	Translucent	Translucent	Translucent	Translucent	Translucent
Hardness	ASTM D2240	Shore	30A	40A	50A	60A	70A	80A	90A
Density	ASTM D792	g/cm <sup>3</sup>	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Tensile Strength	ASTM D412	kg/cm <sup>2</sup>	30	40	55	65	70	76	83
Elongation at Break	ASTM D412	%	550	550	500	500	500	450	450
Tear Strength	ASTM D624	kg/cm	20	20	32	40	47	55	60

**CHEMIEPRENE EP / ES SERIES (EPDM BASE)**

Physical Properties	Method	Unit	EP-40	EP-50	EP-60	EP-65	EP-70	EP-80	EP-90
Colour	-	-	Black	Black	Black	Black	Black	Black	Black
Hardness	ASTM D2240	Shore	40A	50A	60A	65A	70A	80A	90A
Density	ASTM D792	g/cm <sup>3</sup>	0.92	0.92	0.95	0.95	0.95	0.95	0.95
Tensile Strength	ASTM D412	Kg/cm <sup>2</sup>	35	40	60	65	80	90	110
Elongation at Break	ASTM D412	%	400	400	450	500	600	600	600
Tear Strength	ASTM D624	Kg/cm	23	25	35	37	40	50	70

- Value given are typical and should not be interpreted as specification.
- The properties can be modified upon customer request.

**EVERPOL PERFLEX TSL SERIES (SEBS / SBS BASE)**

Physical Properties	Method	Unit	TSL-30	TSL-40	TSL-50	TSL-60	TSL-70	TSL-80	TSL-90
Colour	-	-	Natural	Natural	Natural	Natural	Natural	Natural	Natural
Hardness	ASTM D2240	Shore	30A	40A	50A	60A	70A	80A	90A
Density	ASTM D792	g/cm <sup>3</sup>	1.04	1.05	1.08	1.08	1.08	1.08	1.08
Tensile Strength	ASTM D412	kg/cm <sup>2</sup>	25	28	30	35	40	45	60
Elongation at Break	ASTM D412	%	500	500	500	450	400	350	250
Tear Strength	ASTM D624	kg/cm	16	17	20	22	23	29	42

**PERFLEX SA / SN SERIES (ABS, PC, NYLON BONDING APPLICATION)**

Physical Properties	Method	Unit	SA-40	SA-50	SA-60	SA-65	SN-40	SN-50	SN-60
Colour	-	-	Natural	Natural	Natural	Natural	Natural	Natural	Natural
Hardness	ASTM D2240	Shore	40A	50A	60A	65A	40A	50A	60A
Density	ASTM D792	g/cm <sup>3</sup>	1.05	1.05	1.05	1.05	1.10	1.10	1.10
Tensile Strength	ASTM D412	kg/cm <sup>2</sup>	27	35	40	45	25	28	32
Elongation at Break	ASTM D412	%	350	350	350	350	300	300	300
Tear Strength	ASTM D624	kg/cm	20	27	30	35	18	20	25

- Value given are typical and should not be interpreted as specification.
- The properties can be modified upon customer request.

**Special Application Grade**

- High Transparent Grade
- High Tensile Grade
- Improved Compression Set Grade
- Glossy Surface
- *Post-Consumer Recycle (PCR)* Grade
- High Density Grade
- High Flow Grade
- Super Soft Grade 5A - 20A
- Flame Retardant UL94V0 & HB
- High Abrasion Grade
- Excellent Elasticity
- Antistatic

