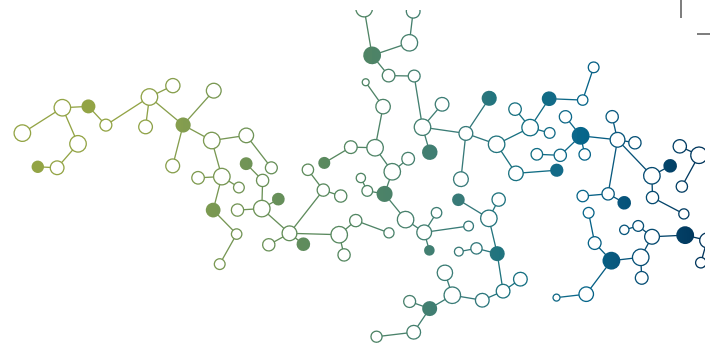


Americhem TPEs



SOLUTIONS TAILORED TO YOUR TPE NEEDS

The breadth and flexibility of Americhem's elastomeric product line yields solutions optimized for creativity in your applications.

- Our customized thermoplastic elastomers (TPEs) are polymer compounds that combine the processing economics of thermoplastics with the look, feel, and mechanical properties of thermoset rubbers.
- When combined with 2-shot molding and overmolding, both elastomeric performance and structural stiffness are executable in product designs.

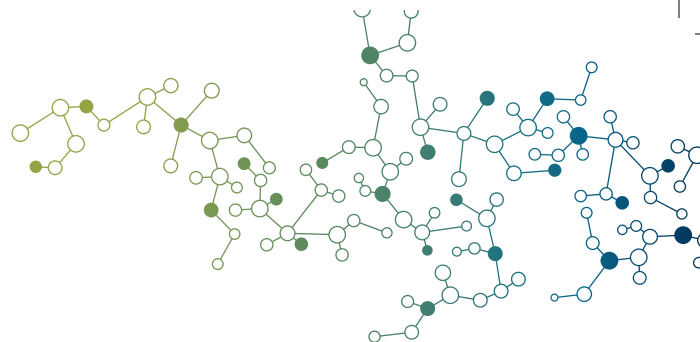
SEVRENE® STYRENIC BLOCK COPOLYMERS (TPE-S, SBC'S, SEBS, SEPS, SEEPS)

Americhem's triblock elastomers can improve your productivity and part performance.

- Americhem's color technology leadership can be utilized to provide a wider range of colors that are highly weatherable in exterior and interior applications.
- Our years of experience compounding solutions for long flow, surface critical appearance parts, results in nicer looking parts with high productivity.
- We developed our Sevrene 4000 Series of TPEs to reduce your cost per cubic inch in your applications.
- With Americhem's Sevrene 4500 Series, we can modify the surface to the "haptics" or surface feel that you like, from slippery to gripping.
- When compared to traditional TPVs, Sevrene TPEs provide:
 - Better processing and appearance due to the fully thermoplastic system
 - Better tear strength, especially at durometers 55 Shore A and below
 - The ability to modify haptics



Americhem TPEs



TYPICAL PROPERTIES

Product Grade	Specific Gravity	Hardness	Tensile Strength (Mpa/kpsi)	Tensile Elongation %	Tensile Stress at 100% (Mpa/psi)	Tear Strength (kN/m / lbf/in)	Key Features
Sevrene® Styrenic Block Copolymers (TPE-S, SBC's, SEBS, SEPS, SEEPS)							
4000 Series Range of Soft Styrenic Block Copolymer Thermoplastic Elastomers (TPEs) from 40 Shore A to 50 Shore D Durometer							
Sevrene 4000-40A	1.12	39	4.1/0.6	1,010	0.5/73	14.5/82.8	Cost Effective, Good Processing
Sevrene 4000-45A	1.13	49	5.7/0.8	719	1.4/203	20.3/115.9	Cost Effective, Good Processing
Sevrene 4000-50A	1.1	52	5.5/0.8	771	1.5/218	20.5/117.1	Cost Effective, Good Processing
Sevrene 4000-60A	1.1	64	9.3/1.3	751	1.9/276	27.8/158.7	Cost Effective, Good Processing
Sevrene 4000-70A	1.13	71	7.7/1.1	730	2.8/406	36.0/205.6	Cost Effective, Good Processing
Sevrene 4000-80A	1.09	82	11.6/1.7	713	3.6/522	39.6/226.1	Cost Effective, Good Processing
Sevrene 4000-90A	1.09	92	12.3/1.8	664	6.3/913	52.4/299.2	Cost Effective, Good Processing
Sevrene 4000-50D	1.04	46D	14.8/2.1	581	9.9/1,436	75.0/428.3	Cost Effective, Good Processing
4500 Series Surface-Modifiable (lubricity, slip) Styrenic Block Copolymer (SBC) TPEs							
Sevrene 4500-60A	0.97	60	8.8/1.3	811	1.7/247	25.2/143.9	Light Weight, Good Processing
Sevrene 4500-70A	0.95	69	12.2/1.8	842	2.1/305	30.8/175.9	Light Weight, Good Processing
Sevrene 4500-85A	0.94	85	8.3/1.2	500	4.6/667	40.3/230.1	Light Weight, Good Processing
Sevrene 4520-65A	0.91	59	8.0/1.2	706	1.8/261	26.3/150.2	FDA Compliant
Sevrene 4582-45A	0.96	45	5.7/0.8	754	0.9/131	20.7/118.2	Slippery + Scratch Resistant
Sevrene 4582-60A	0.97	64	9.1/1.3	736		29.8/170.2	Slippery + Scratch Resistant
Sevrene 4582-70A	0.96	70	11.8/1.7	693	3.1/450	46.5/265.5	Slippery + Scratch Resistant
Sevrene 4582-80A	0.95	83	13.1/1.9	715	3.6/522	42.5/242.7	Slippery + Scratch Resistant
Sevrene 4582-90A	0.94	91	13.8/2.0	674	6.4/1,363	51.7/295.2	Slippery + Scratch Resistant
8000 Series Styrenic Block Copolymer (SBC) TPEs with Higher Temperature Compression Set Performance							
Sevrene 8000-40A	1.1	43	4.1/0.6	711	1.4/203	21.7/123.9	
Sevrene 8000-50A	1.17	48	5.7/0.8	541	1.5/218	22.6/129.0	
Sevrene 8000-60A	1.19	62	7.0/1.0	581	2.1/305	26.9/153.6	
Sevrene 8000-70A	1.18	73	9.0/1.3	696	3.0/435	37.2/212.4	
Sevrene 8000-85A	1.11	84	6.9/1.0	440	4.4/638	40.2/229.5	
Sevrene 8575-70A	0.95	69	8.5/1.2	738	2.3/334	28.4/162.2	Slippery % Anti-Squeak



americhem
PERFORMANCE | SOLUTIONS | TRUST



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