溶聚丁苯橡胶(S-SBR)

近年来，随着人们对环境可持续性和安全行驶的兴趣不断增加，这推动了一项技术挑战，即逐步、显著提高轮胎的性能，包括更低的能耗、更强的抓地力和更优异的耐磨性。在轮胎配方中适当的采用溶聚丁苯橡胶是成功的关键。基于 Versalis 技术，LVE 是为数不多的批量和连续生产 SSBR 的制造商之一: Europrene ® K Sol R 产品已成功用于“绿色”轮胎的配方中，而 Sol B 产品则广泛用于粘合剂、沥青和 ABS 改性。

溶液法丁苯橡胶是苯乙烯和丁二烯单体在烃类溶剂中由锂烷基引发阴离子聚合而成，根据苯乙烯单体的分布不同得到嵌段共聚和无规共聚两种结构的聚合物。
SSBR 的嵌段和无规结构赋予聚合物截然不同的性能，从而适用于不同的应用。嵌段结构的 SSBR 的苯乙烯含量比无规 SSBR 低，更适合压延和挤出工艺。它们也被用于沥青改性、生产粘合剂、高抗冲聚苯乙烯(HIPS)和 ABS 树脂。无规 SSBR 通过苯乙烯含量和丁二烯单元的微观结构为定制产品提供了多功能支持，使其在可加工性、滚动阻力、抓地力和磨耗方面具有良好的性能，并成为轮胎行业的首选。

Partial Block S-SBR

GRADE NAME	Process	Bound Styrene %wt	Block Styrene %wt	Mooney Viscosity ML(1+4) @100°C	Solution Viscosity cPs (5% in styrene @ 25°C)	Main Application
EUROPRENE K SOL B 1205	Batch	25	18	53	10	Calendared and extruded articles, cables, flooring, shoe soles, medium glossy HIPS
AGON K SOL C283	Continuous	11	8		32	Impact improver of ABS and Polystyrene giving a gloss surface.

Random Oil Extended S-SBR

GRADE NAME	Process	Bound Styrene %wt	Vinyl Content(*) %wt	Mooney Viscosity ML(1+4) @100°C	Extension Oil Content (TDAE, phr)	Main Application
EUROPRENE K SOL R 72614	Batch	25	64	55	37.5	Silica-based compound for low rolling resistance and winter treads
EUROPRENE K SOL R 74618T	Batch	35	58	61	37.5	Tyre tread compounds for HP/UHP tyre.
AGON K SOL R 73521T	Batch	35	58	83	25	Tyre tread compounds for HP/UHP tyre.
EUROPRENE K SOL R C2564T	Continuous	25	64	50	37.5	Low rolling resistance tyre treads with improved wet grip; technical rubber goods.
EUROPRENE K SOL R C2565T	Continuous	25	64	65	37.5	Silica-based compounds for low rolling resistance tyre treads with improved wet grip
EUROPRENE K SOL R C3458T	Continuous	34	56	71 (@120°C)	37.5	Tread compounds for HP/UHP tyres. Extremely suitable for high filler loading
EUROPRENE K SOL R C3555T	Continuous	35	51	75	37.5	Tread compounds for HP/UHP tyres. Extremely suitable for high filler loading
EUROPRENE K SOL R C3737T	Continuous	37	38	75	37.5	Tyre tread compounds for HP/UHP tyres. It shows improved grip and handling performances.

(*) Referred to butadiene portion