

Chemistry Type: Styrene butadiene copolymer (SB)**Function(s):** Reinforcing Resins

Pliolite S6S is a cost effective alternative to high loading of SBR masterbatches or mineral fillers. It provides high hardness, improved processing, and resistance to abrasion and tearing for tires, rubber compounds and footwear.

Industries & Markets

- Automotive: Reinforcing Resins for Tires
- Automotive: Reinforcing Resins for Cables and Wires
- Automotive: Reinforcing Resins for Rubber Components including Hoses, Belts and Gaskets
- Reinforcing Resins for Rubber Cables, Hoses and Belts
- Sports Surfaces: Reinforcing Resins for Athletic Mats
- Reinforcing Resins for Cable, Hose and Belt Production
- Reinforcing Resins for Footwear
- Reinforcing Resins for Rubber Flooring
- Reinforcing Resins for Rubber Foam
- Reinforcing Resins for Tires
- Reinforcing Resins for Commercial Vehicle Trim
- Reinforcing Resins for Heavy Duty Vehicle Tires
- Reinforcing Resins for Motorcycle or Scooter Tires
- Reinforcing Resins for Public Transportation (Bus) Tires
- Reinforcing Resins for School Bus Tires
- Footwear
- Rubber Foam

End Use Applications

- For Synthetic and Natural Rubber Goods and EVA Modification

Key Advantages

- Increases hardness, abrasion resistance, stiffness, flex-life and tear resistance in SBR, NBR, IR, NR, EPDM, EVA and CR
- Cost effective, performance alternative to high loading of mineral fillers and SBR masterbatches at low specific gravities
- Improves processing; acts as a process aid during the mixing cycle

Geographic Availability

Product Availability

- North America
- Latin America

Physical Properties

Color	White
Physical Form	Powder
Average Particle Size	0.4 mm
Particle Size (Max)	3 mm μ m
Tg Onset	29 °C
Specific Gravity	1.04

Chemical Properties

Chemistry Type	Styrene butadiene copolymer (SB)
Volatiles (by weight)	1.0 %

Styrene Content: 80- 85%

Additional Application and Processing Information

Processing Guidelines	May contain traces of residual monomers, which may be released during processing at high temperatures.
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Storage & Handling Guidelines

Available Packaging	Bags (Antistatic)
Handling	<ul style="list-style-type: none">• Adequate ventilation should be maintained in the processing areas.• See Safety Data Sheet (SDS) for additional product information.
Recommended Storage Conditions	<ul style="list-style-type: none">• Do not store near an open flame, heat or other sources of ignition.• Do not expose product or container to direct sunlight or to freezing temperatures.• Store in a dry, well ventilated area.• Store in original packaging.

NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product is appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, and whether such use will infringe the intellectual property rights of third parties.



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