

Chemistry Type: Styrene butadiene copolymer (SB)

Function(s): Reinforcing Resins

Pliolite S6B is a cost effective alternative to high loading of SBR masterbatches or mineral fillers. It provides high hardness, improved processing, and tear resistance 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, stiffness, flex-life and tear resistance in SBR, NBR, IR, NR, EVA and CR
- Cost effective and performance alternative to high loading of mineral fillers and SBR masterbatches at low specific gravities
- Provides improved processing and durability for compounds used in the bead/apex, rim cushion and chafer region of passenger car tires and in conveyor belting applications

Geographic Availability

Product Availability

- North America
- Latin America

Physical Properties

Color	White
Physical Form	Powder
Average Particle Size	0.5 mm
Particle Size (Max)	3 mm μ m
Tg Onset	37 °C
Specific Gravity	1.04

Chemical Properties

Chemistry Type	Styrene butadiene copolymer (SB)
Volatiles (by weight)	1.5 %

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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