



Americas International

Americas International, Inc.
3517 Embassy Parkway
Akron, Ohio 44333
Phone: 800-503-3055
Fax: 330-664-1646

Technical Data Sheet

HS6B

SB reinforcing resin for natural and synthetic rubber

Chemistry Type: Styrene butadiene copolymer (SB)

F u n c t i o n (s) : Reinforcing Resins

HS6B 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 Rubber Flooring
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

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, EVA and CR
Cost effective and 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

Physical Properties

| | |
|-----------------------|---------------|
| Color | White |
| Physical Form | Powder |
| Average Particle Size | 0.5 mm |
| Particle Size (Max) | 10 mm μ m |
| Tg Onset | 37 °C |
| Specific Gravity | 1.04 |
| Moisture (max) | .015 % |

Chemical Properties

Chemistry Type Styrene butadiene copolymer (SB)

Additional Application and Processing Information

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

Storage & Handling Guidelines

| | |
|--------------------------------|--|
| Available Packaging | Pallets Bags (Antistatic) |
| Freeze / Thaw Stable Handling | N/A Adequate ventilation should be maintained in the processing areas. See Safety Data Sheet (SDS) for additional product information. |
| Recommended Storage Conditions | 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. |

Revision Date: 10-Feb-16

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.