



Better Quality Better Service

## Technical Data Sheet

Ningbo Jinhai Chenguang Chemical Corporation

P.C. 315207

No.2666, Binhai Road, Ningbo Petrochemical Economic and Technological Development Zone, Zhejiang Province, China.

TEL: 0086-574-8765 3737

FAX: 0086-574-8765 7399

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### FIRMTACK™ JH-7546 Thermoplastic Elastomer SBS

FIRMTACK™ **JH-7546** is a linear and clear block copolymer based on styrene and butadiene, with a polystyrene content of 40%. **JH-7546** is widely used in transparent shoe soles, plastics modification. It may also find use as a modifier of polymers and adhesives.

#### Product Specifications:

Item	Unit	Sales specification range
Exterior	-	White or light-color, without mechanical or oil waste.
Volatile Matter	wt%	≤0.5
Ash	wt%	≤0.2
Tensile Strength	MPa	≥22
Elongation at break	%	≥680
Hardness	Shore A	≥86
Melt Flow Rate	g/10min	3.0-9.0

#### Typical values:

Item	Unit	Value
Structure	-	Linear
SM/BD	-	40/60
Color	YI	1
Volatile Matter	wt%	0.36
Ash	wt%	0.06
Tensile Strength	MPa	36
Modulus (300%)	MPa	6.6
Elongation at break	%	696



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Hardness	Shore A	90
Mn	g/mol	59000
Mw	g/mol	59500

### Applications

- a) Transparent shoe soles
- b) Plastics modification
- c) Adhesives
- d) Modifier of polymers

### Packaging and supply

#### Package:

Packing size: 20kg in paper-plastic composite bag;

Super sack packaging: From 500kg to 1000kg in one sack upon the customers' requirements.

#### Supply:

Supplied on shrink-wrapped pallets of 50 bags from Jinhai's facilities in China.

### Storage

Pelletized forms of products may block or lump in hot weather climates or if stored near heat sources. Inside storage is recommended and keep at temperature not exceeding 30°C. The useful life of this product can be affected by storage and handling conditions. When stored in the original unopened container in an enclosed area and protected from moisture, extreme temperatures and contamination, the shelf life of this product is estimated to continue to meet applicable sales specifications for 24 months from the date of manufacture. Shelf Life is a guide not an absolute value. The product should be reanalyzed for critical properties at the end of its shelf life to see if it meets specification for use.

### Product Safety

Read and understand the Material Safety Data Sheet before using HAIRUBBER™ JH-7546.