



Better Quality Better Service

Technical Data Sheet

Ningbo Jinhai Chenguang Chemical Corporation

PC: 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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HAI-SIS™ JH-9620 Thermoplastic Elastomer

HAI-SIS™ **JH-9620** is a clear hybrid of branched copolymer and linear triblock copolymer based on styrene and isoprene, with a polystyrene content of 14%. **JH-9620** is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen and polymers.

Product Specifications:

Test Items	Unit	Sales specification range
Polystyrene content	Wt%	13 TO 15
Di-block content	Wt%	10 TO 14
Melt Flow Rate	g/10min	6 TO 12
Hardness	Shore A	≥30
Tensile Strength	MPa	≥16
Elongation at break	%	≥1000
Volatile Matter	Wt%	≤0.7
Ash	Wt%	≤0.3

Typical value:

Test Items	Unit	Value
Polystyrene content	Wt%	14
Di-block content	Wt%	12.8
Melt Flow Rate	g/10min	9
Hardness	Shore A	36
Tensile Strength	MPa	21
Elongation at break	%	1144
Solution Viscosity	mPa · s	1500
Volatile Matter	Wt%	0.4
Ash	Wt%	0.1
Mn (SIn)	× 10 ⁴ g/mol	26.0
Mn (SIS)	× 10 ⁴ g/mol	14.0
Mn (SI)	× 10 ⁴ g/mol	7.0



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SIn	%	30
SIS	%	58
SI	%	12
PD(SIn)	-	1.03
PD(SIS)	-	1.01
PD(SI)	-	1.01

Applications

- a) Adhesives
- b) Pressure sensitive adhesives
- c) Sealants
- d) Coatings
- e) Modifiers of bitumen and polymers.

Packaging and supply

Package:

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

Super sack packaging: 500kgs in one sack upon the customers' requirements.

Supply:

Supplied on shrink-wrapped pallets of 50 or 60 bags from Jinhai's facilities in China.

Regulatory/Classifications

CAS No. 25038-32-8

USA - Food and Drug Administration (FDA)

When used unmodified for food contact applications the styrene-isoprene block copolymer product(s) listed in the table above will comply with the U.S. Food, Drug, and Cosmetic Act as amended under Food Additive Regulation **21 CFR 177.1810 (b)(2)** with the following limitations: In addition, the styrene-isoprene block copolymer product(s) listed in the table above will also comply with the following:

Storage

Pelletized forms of resins 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 12 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 HAI-SIS™ JH-9620.