



Better Quality Better Service

Technical Data Sheet

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Thermoplastic Elastomer SIS HAISIS™ JH-8164

HAISIS™ **JH-8164** is a clear radial block copolymer based on styrene and isoprene, with a polystyrene content of 16%. **JH-8164** 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%	14 TO 18
Di-block content	Wt%	76 TO 80
Melt Flow Rate	g/10min	20 TO 26
Tensile Strength	MPa	≥1
Elongation at break	%	≥1200
Volatile Matter	Wt%	≤0.70
Ash	Wt%	≤0.20

Typical value:

Test Items	Unit	Value
Polystyrene content	Wt%	16.3
Di-block content	Wt%	78.5
Melt Flow Rate, 200℃ 5kg	g/10min	22.5
Hardness	Shore A	14
Tensile Strength	MPa	2.6
Elongation at break	%	1406
Solution Viscosity	mPa · s	614
Volatile Matter	Wt%	0.45
Ash	Wt%	0.07
Mn (SIn)	× 10 ⁴ g/mol	25.0
Mn (SI)	× 10 ⁴ g/mol	8.0
SIn	%	22
SI	%	78



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: From 450kg to 1000kg in one sack upon the customers' requirements.

Supply:

Supplied on shrink-wrapped pallets of 40 bags or 50bags each, 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 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 HAISIS™ JH-8164.