



Better Quality Better Service

Technical Data Sheet

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HAI-SIS™ JH-8291 Thermoplastic Elastomer

HAI-SIS™ **JH-8291** is a clear, linear triblock copolymer based on styrene and isoprene, with a polystyrene content of 29%. **JH-8291** is widely used in compound formulations and as a modifier of thermoplastics. It may also find use in formulating adhesives, sealants, coatings and modified bitumens.

Product Specifications:

Test Items	Unit	Sales specification range
Polystyrene content	Wt%	27 TO 31
Melt Flow rate	g/10min	8 TO 14
Color	YI	≤6
Tensile Strength	MPa	≥11
Elongation at break	%	≥750
Solution Viscosity	mPa·s	200 TO 500
Volatile Matter	Wt%	≤0.7
Ash	Wt%	≤0.2

Typical value:

Test Items	Unit	Value
Polystyrene content	Wt%	29
Melt Flow rate	g/10min	10.22
Color	YI	1
Hardness	Shore A	63
Tensile Strength	MPa	28.9
Elongation at break	%	969
Solution Viscosity	mPa·s	317
Volatile Matter	Wt%	0.39
Ash	Wt%	0.08
Mn	g/mol	79000
Pd	-	1.02



Applications

- a) Adhesives
- b) modifier of thermoplastic

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:

US FDA: 21 CFR 175.105	Adhesives
21 CFR 177.2600	Rubber articles intended for repeated use.
21 CFR 175.125	Pressure sensitive adhesives.
21 CFR 175.300	Resinous and polymeric coatings
21 CFR 176.170	Components of paper and paperboard in contact with aqueous and fatty foods
21 CFR 176.180	Components of paper and paperboard in contact with dry food
21 CFR 175.320:	Resinous and Polymeric Coating for Polyolefin Films
21 CFR 177.1210:	Closures with Sealing Gaskets for Food Containers.

Other regulatory information is available on request.

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-8291.