



Lion Elastomers Orange, LLC

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Stereon™ SR8983 IP

Product Data

Stereon™SR8983 is a solution polymerized linear styrene-butadiene multi-block thermoplastic elastomer. This material has been designed as a graftable rubber modifier that is reacted with bromine and processed into a clean, white powder. The brominated Stereon™SR8983 is then combined with polystyrene to produce a flame retardant foam insulation used in building and home construction.

Typical Properties

<u>Property</u>	<u>Test Method*</u>	<u>Typical Range</u>
Volatile Matter, Wt. %	ASTM D5668	0.0 – 3.00
Bound Styrene, Wt. %	ASTM D2702	31.0 – 35.0
Vinyl, %	ASTM D2702	79.0 Min.
Molecular Weight (Mw PS), kg/mol	ASTM D5296	125.0 – 155.0
Polydispersity (Mw/Mn)	ASTM D5296	1.20 Max.
Toluene Insolubles, Wt. %	—	0.01 Max.
Antioxidant Stabilizer	—	Non-staining
Antiblock Processing Aid	—	Acrawax C
Specific Gravity, g/cc	—	0.89

* This product is available in a 550-pound unit weight cardboard box or a 1100-pound unit weight supersack bag.

* Antioxidant is added to this polymer to provide protection during manufacture and storage. The end user's process may require additional antioxidant protection.

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