



Lion Elastomers Orange, LLC

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## Stereon™ 721AC

## Product Data

Stereon™721AC is a solution polymerized styrene-butadiene block copolymer that has been designed as an impact modifier for thermoplastic ABS resin. The low solution viscosity of this product makes it particularly attractive for high rubber loading systems. Stereon™721AC also contains a non-volatile antioxidant stabilizer system and has a very low gel content.

### Typical Properties

<u>Property</u>	<u>Test Method*</u>	<u>Typical Range</u>
Volatile Matter, Wt. %.....	ASTM D5668	0.0 – 0.60
Mooney Viscosity, ML/4/100°C .....	ASTM D1646	33.0 – 43.0
Solution Viscosity (5.43% in Toluene), cPs .....	ASTM D445	28.0 – 36.0
Bound Styrene, Wt. % .....	ASTM D5775	9.0 – 11.5
Block Styrene, Wt. % .....	ASTM D3314	4.5 – 8.5
Ash, Wt. % .....	ASTM D5667	0.20 Max.
Glass Transition Temperature, Tg, °C .....	ASTM E1356	- 92.0
Antioxidant Stabilizer .....	—	Non-staining
APHA Color .....	ASTM D1209	0.0 - 10.0
Toluene Insolubles, Wt. % .....	—	0.007 Max.
Dissolving Time, Hrs. @ 25°C .....	—	4.0 Max.
Specific Gravity, g/cc .....	—	0.90

\* This product is available in 72.2-pound rectangular bales individually wrapped with 3.0 mil polystyrene film. This material can be shipped in either returnable or disposable containers.

\* 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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