



Lion Elastomers Orange, LLC

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Diene™ 55AC10

Product Data

Diene™ 55AC10 is a solution polymerized plastics grade medium cis polybutadiene, featuring excellent color and low gel. It is intermediate in solution viscosity and contains a non-volatile antioxidant system. Diene™ 55AC10 is widely used as an impact modifier for thermoplastic resins such as HIPS and ABS.

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	48.0 – 56.0
Solution Viscosity (5.43% in Toluene), cPs	ASTM D445	147.0 – 177.0
Ash, Wt. %	ASTM D5667	0.20 Max.
Glass Transition Temperature, Tg, °C	ASTM E1356	- 96.0
APHA Color	ASTM D1209	0.0 - 5.0
Toluene Insolubles, Wt. %	—	0.01 Max.
Dissolving Time, Hrs. @ 25°C	—	4.0 Max.
Antioxidant Stabilizer	—	Non-staining
Organic Acid	—	None
Soap	—	None
Specific Gravity, g/cc	—	0.90

* This product is available in 75.0-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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