



Lion Elastomers Orange, LLC

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## Duradene™ 711

## Product Data

Duradene™711 is a solution polymerized non-oil extended styrene-butadiene rubber copolymer. It contains 18.0% bound styrene and a non-volatile antioxidant stabilizer system. Duradene™711 offers excellent abrasion resistance and low temperature performance. It is often used in tire formulas with low black and oil loadings where good wear and hysteresis are desired.

### Typical Properties

<u>Property</u>	<u>Test Method*</u>	<u>Typical Range</u>
Volatile Matter, Wt. % .....	ASTM D5668	0.0 – 0.75
Mooney Viscosity, ML/4/100°C .....	ASTM D1646	65.0 – 75.0
Bound Styrene, Wt. % .....	ASTM D5775	17.0 – 19.0
Glass Transition Temperature, Tg, °C .....	ASTM E1356	- 70.0
Toluene Insolubles, Wt. % .....	—	0.05 Max.
Antioxidant Stabilizer .....	—	Non-Staining
Organic Acid .....	—	None
Soap .....	—	None
Specific Gravity, g/cc .....	—	0.93

\* This product is available in 75.0-pound rectangular bales individually wrapped with 2.0 mil polyethylene 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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