



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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