



Lion Elastomers Orange, LLC

5713 Farm to Market Rd 1006 • Orange, TX 77630
800 / 535-9960 • www.lionelastomers.com

Duradene™ 706

Product Data

Duradene™706 is a solution polymerized non-oil extended styrene-butadiene rubber copolymer. It contains 23.5% bound styrene and has a non-volatile antioxidant stabilizer system. Duradene™706 offers very good abrasion resistance and low hysteresis properties. It can also be used as a replacement for emulsion SBR 1502 in most rubber applications.

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	50.0 – 60.0
Bound Styrene, Wt. %	ASTM D5775	22.5 - 24.5
Glass Transition Temperature, Tg, °C	ASTM E1356	- 62.0
Toluene Insolubles, Wt. %	—	0.01 Max.
Antioxidant Stabilizer	—	Non-staining
Organic Acid	—	None
Soap	—	None
Specific Gravity, g/cc	—	0.93

* This product is available in 77.0-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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