



Lion Elastomers Orange, LLC

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

Diene™ 55NF10

Product Data

Diene™ 55NF10 is a solution polymerized rubber grade medium cis polybutadiene that contains a non-volatile antioxidant stabilizer system. This medium viscosity grade rubber is used in a variety of molded and extruded mechanical goods. Diene™ 55NF10 offers excellent resistance to abrasion, high resilience or rebound, low temperature flexibility, and good resistance to fatigue cracking and crack growth.

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	47.0 – 57.0
Cis Content, Wt.%.....	ASTM D2702	40.0
Glass Transition Temperature, Tg, °C	ASTM E1356	- 96.0
Toluene Insolubles, Wt. %	—	0.01 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 2.0 mil polyethylene or 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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