



Lion Elastomers Orange, LLC

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## Diene™ 35NF15

## Product Data

Diene™35NF15 is a solution polymerized rubber grade medium cis polybutadiene that contains a non-volatile and TNPP-free antioxidant stabilizer system. This low viscosity grade rubber is used in mechanical goods where flow and mixing are important. Diene™35NF15 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	33.0 – 43.0
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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