

Diene™

35NF

Diene 35NF is a solution polymerized rubber grade medium cis polybutadiene having 40% cis content and a non-staining antioxidant stabilizer system. This low viscosity grade rubber is used in mechanical goods where flow and mixing are important. Diene 35NF offers excellent resistance to abrasion, high resilience or rebound, low temperature flexibility, and good resistance to fatigue cracking and crack growth.

SPECIFICATIONS

RAW POLYMER:

<u>Properties</u>	<u>Target</u>	<u>Minimum</u>	<u>Maximum</u>
Volatile Matter, %	—	—	0.75
Ash, %	—	—	0.20
Viscosity, ML/4/212°F	38.0	33.0	43.0

COMPOUND:

<u>Test Recipe (ASTM D3189-D)</u>		<u>Rheometer (ASTM D2084)</u> <u>1° Arc, 320°F</u>	
Diene 35NF	100.00	tc10 (min)	5.0 ± 2.0
IRB 8	60.00	tc50 (min)	8.0 ± 2.0
Type 103 Oil	15.00	tc90 (min)	12.5 ± 2.5
Zinc Oxide	3.00	ML (lbs-in)	8.5 ± 2.0
Stearic Acid	2.00	MH (lbs-in)	37.0 ± 4.0
Sulfur	1.50		
TBBS	<u>0.90</u>	ML/4/212° F	75.0 ± 10.0
	182.40		

Firestone
Polymers

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