

# Diene™

## 140ND

Diene 140ND is a neodymium high cis polybutadiene having low Mooney viscosity and a non-staining antioxidant stabilizer system. Diene 140ND can be used in a number of applications including tire treads, sidewalls, golf balls, and many mechanical rubber goods.

### SPECIFICATIONS

#### RAW POLYMER:

<u>Properties</u>	<u>Target</u>	<u>Minimum</u>	<u>Maximum</u>
Volatile Matter, %	-	-	0.5
Ash, %	-	-	0.3
Viscosity, ML/4/212°F	40.0	35.0	45.0

#### COMPOUND:

##### Test Recipe (ASTM D3189-D)

##### Rheometer (ASTM D2084) 1° Arc, 320°F

Diene 140ND	100.00	tc10 (min)	4.0 ± 2.0
IRB 7	60.00	tc50 (min)	7.0 ± 2.0
Type 103 Oil	15.00	tc90 (min)	10.0 ± 2.5
Zinc Oxide	3.00	ML (lbs-in)	9.5 ± 2.0
Stearic Acid	2.00	MH (lbs-in)	48.5 ± 4.0
Sulfur	1.50	ML/4/212° F	90.0 ± 10.0
TBBS	<u>0.90</u>		
	182.40		