

Duradene[®]

751B

Duradene 751B is a solution polymerized, styrene-butadiene copolymer having 25% bound styrene, 37.5 phr of a special high viscosity naphthenic oil and an efficient antioxidant stabilizer system. Duradene 751B provides the same excellent combination of properties for tire treads as Duradene 751 and this naphthenic oil meets the criteria of IP346.

SPECIFICATIONS

RAW POLYMER:

<u>Properties</u>	<u>Target</u>	<u>Minimum</u>	<u>Maximum</u>
Volatile Matter, %	-	-	0.5
Bound Styrene, %	25.0	24.0	26.0
Viscosity, ML/4/212° F	45.0	40.0	50.0
Oil, %	27.3	25.8	28.8

COMPOUND:

<u>Test Recipe (ASTM D3185-2B MIM)</u>		<u>Rheometer (ASTM D2084)</u> <u>1° Arc, 320°F</u>	
Duradene 751B	137.50	tc10 (min)	6.0 ± 2.0
IRB 7	68.75	tc50 (min)	8.5 ± 2.0
Zinc Oxide	3.00	tc90 (min)	11.0 ± 2.5
Stearic Acid	1.00	ML (lbs-in)	10.0 ± 2.0
Sulfur	1.75	MH (lbs-in)	34.0 ± 4.0
TBBS	<u>1.38</u> 213.38	ML/4/212°F	90.0 ± 10.0

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