

Duradene®

750B

Duradene 750 is a solution polymerized, styrene-butadiene copolymer having 18% bound styrene, 37.5 phr of a special high viscosity naphthenic oil, and an efficient antioxidant stabilizer system. Duradene 750B provides the same excellent combination of properties for tire treads as Duradene 750 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, %	18.0	17.0	19.0
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 750B	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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