

Duradene®

763B

Duradene 763B is an oil extended styrene-butadiene copolymer having 40.5% bound styrene, 38.5% vinyl, and high molecular weight. Duradene 763B provides the same excellent traction and abrasion resistance as Duradene 763 and is extended with a special high viscosity naphthenic oil which 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, %	40.5	-	-
Vinyl, %	38.5	-	-
Viscosity, ML/4/212°F (Unmassed)	59.0	-	-
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 763B	137.50	tc10 (min)	6.3
IRB 7	68.75	tc50 (min)	9.0
Zinc Oxide	3.00	tc90 (min)	12.0
Stearic Acid	1.00	ML (lbs-in)	8.5
Sulfur	1.75	MH (lbs-in)	30.0
TBBS	<u>1.38</u> 213.38	ML/4/212°F	77.0

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