

Duradene®

756

Duradene 756 is a solution-polymerized, styrene-butadiene copolymer having 33.5% bound styrene, 37.5 phr aromatic oil, and an unusually efficient antioxidant stabilizer system. Duradene 756 provides superior wet traction in high performance tires, while still maintaining good abrasion resistance and rolling loss. It has a typical glass transition temperature of -39° C.

SPECIFICATIONS

RAW POLYMER:

<u>Properties</u>	<u>Target</u>	<u>Minimum</u>	<u>Maximum</u>
Volatile Matter, %	-	-	0.5
Bound Styrene, %	33.5	32.0	35.0
Vinyl, %	30.0	27.0	33.0
Viscosity, ML/4/212° F	57.0	52.0	62.0
Oil, %	27.3	25.8	28.8

COMPOUND:

Test Recipe (ASTM D3185-2B MIM)

Rheometer (ASTM D2084) 1° Arc, 320°F

Duradene 756	137.50	tc10 (min)	5.5 ± 2.0
IRB 7	68.75	tc50 (min)	8.0 ± 2.0
Zinc Oxide	3.00	tc90 (min)	10.0 ± 2.5
Stearic Acid	1.00	ML (lbs-in)	9.0 ± 2.0
Sulfur	1.75	MH (lbs-in)	30.0 ± 4.0
TBBS	<u>1.38</u> 213.38	ML/4/212°F	80.0 ± 10.0

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