



BR-0150 Polymer Data

Polymerization System	--	Solution Polymerization
Catalyst	--	Ziegler Cobalt Type
Configuration	--	96% cis minimum
Stabilizer	--	Non-staining
Specific gravity	--	0.91
Characteristics	--	Good abrasion resistance
	--	Low heat build-up
	--	High resilience
	--	Good low temperature properties
	--	Low hysteresis
Application	--	Mainly for tires, hoses, footwear, belts, golf ball and industrial goods.

Specification Values

<u>POLYMER PROPERTIES</u>	<u>minimum.</u>	<u>maximum</u>	<u>Test Method</u>
Mooney Viscosity, ML ₁₊₄ 100°C	38	48	ASTM D-1646
Volatile Matter (%)	-----	0.5	ASTM D-5668
Ash (%)	-----	0.2	ASTM D-5667

COMPOUND PROPERTIES(Test Recipe ASTM D-3189; Cure @ 145°C)

Compound Mooney Viscosity				
	ML ₁₊₄ 100°C	-----	75	ASTM D-1646
Tensile Strength	35' (kg/cm ²)	130	-----	ASTM D-412
Elongation	35' (%)	300	-----	ASTM D-412
300% Modulus	25' (kg/cm ²)	75	115	ASTM D-412
	35' (kg/cm ²)	85	125	ASTM D-412
	50' (kg/cm ²)	85	125	ASTM D-412



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<u>Test Recipe, ASTM D-3189</u>	<u>Parts</u>
Taipol BR-0150	100.00
HAF black (IRB#9)	60.00
ASTM Type 103 Petroleum Oil	15.00
Zinc Oxide	3.00
Stearic Acid	2.00
TBBS	0.90
<u>Sulfur</u>	<u>1.50</u>
Total	182.40