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BR-0150L Polymer Data

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

Specification Values

POLYMER PROPERTIES		minimum.	maximum	Test Method
Mooney Viscosity, ML $_{1+4}$ 100℃		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℃)					
Compound Mooney Viscosity					
ML $_{1+4}$ 100℃			-----	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)	80	120	ASTM D-412
	35’	(kg/cm^2)	90	130	ASTM D-412
	50’	(kg/cm^2)	90	130	ASTM D-412

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Test Recipe, ASTM D-3189	**Parts**
Taipol BR-0150L	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
Sulfur	1.50
Total	182.40