POLY BUTADIENE RUBBER

High CIS 1,3 - Polybutadiene Rubber (Grade 1220)

* Raw Material

Typical Properties	Test Method	Unit	Value
CIS Content	ZEON R - 130A	WT%	MIN 97
Raw Mooney Viscosity	ASTM D - 1646	ML- 4	41 -49
Volatile Material	ASTM D - 1416	WT%	MAX 0.5
Ash Content	ASTM D - 1416	WT%	MAX 0.3

** Compound Properties

Typical Properties	Test Method	Unit	Value
Compound Mooney Viscosity	ASTM D - 1646	ML- 4	MAX 77
Tensile (35 min)	ASTM D - 412	Kgf/cm3	MIN 150
Elongation (35 min)	ASTM D - 412	%	MIN 440
300% Modulus at 145°C	ASTM D - 412	Kgf/cm3	- - -
25 min			68 - 108
35 min			74 - 114
50 min			74 - 114
Rheometer at 160°C	ASTM D - 3189		
MH		lbf in	32.0 - 40.0
ML		lbf in	5.2 - 11.2
TS-1		MIN	2.1 - 6.1
T50		MIN	6.0 10.4
T90		MIN	8.3 - 13.1

Compound Recipe

Typical Properties	Test Method	Unit	Value
Raw BR - 1220	ASTM D - 3189	PART	100
HAF Carbon (IRB No.6)		PART	60
Zinc Oxide		PART	3
Stearic Acid		PART	2
Accelerator (TBBS)		PART	0.9
Sulfur		PART	1.5
Highly Aromatic Oil		PART	15
Vulcanization Temperature		°C	145

Other Specifications

Typical Properties	Test Method	Unit	Value
Anti Oxidant	Non Staining - High Quality		
Catalyst Type	Cobalt		
Packaging	35 Kg Bales, Wrapped in 50 Micron LDPE Film & Each 36 Bales are in a Box Pallet		

*Certified Properties
**Values shown are averages & are not to be considered as product specifications.