

PBR-1220
Poly Butadiene Rubber

Application

Coating Resin, Tire , Rubber Products, Shoe Sole

Typical Data

Property	Unit	Spec. Value	Test Method
Volatile Matter	%wt	max 0.5	Nippon Zeon R-001B
Ash Content	%wt	max 0.5	Nippon Zeon R-100A/ASTM D-1416
Cis Content	%wt	min 97	Nippon Zeon R-130A
Oil Content	%wt	***	Nippon Zeon R-106A/ASTM D-1416
Raw ML(1+4) at 100°C	***	41-49	Nippon Zeon R-007B/ASTM D-1646
Compound ML(1+4)at 100°C	***	max 77	Nippon Zeon R-007B/ASTM D-1646
Modulus 300%	Kg/cm ²	68-108	Nippon Zeon R-350A/ASTM D-412,JIS K-6301
25 min	Kg/cm ²	74-114	Nippon Zeon R-350A/ASTM D-412,JIS K-6301
35 min	Kg/cm ²	74-114	Nippon Zeon R-350A/ASTM D-412,JIS K-6301
50 min	Kg/cm ²	74-114	Nippon Zeon R-350A/ASTM D-412,JIS K-6301
Elongation (35 min)	%	min 440	Nippon Zeon R-350A/ASTM D-412,JIS K-6301
Tensile (35 min)	Kg/cm ²	Min 150	Nippon Zeon R-350A/ASTM D-412,JIS K-6301

Compounding Materials : Carbon Black HAF : IRB=6 conforming to NBS-SRM No.378

Zinc Oxid (white zinc) : NBS-SRM No.370 JIS K-1410 No.1

Stearic Acid : NBS-SRM No.372 fractional fatty acid of JIS K- 3341 .

Sulfur : NBS-SRM No.371, one type of JIS K-6222,325 mesh product .

Accelerator (TBBS):U.S. monsanto's santocure-NS conforming to NBS -SRM No.384

Oil : ASTM oil type 103 (sansen 4240 of Japan sun oil co.)

Reference for compound preparation : ASTM D-3182,D-3189

Compounding Formula :

	B.R	Carbon Black	Zinc Oxide	St.acid	Oil	Sulfur	Accelerator T.B.B.S.
Batch (gr)	600	360	18	12	90	9	5.4

Above data is based on information provided by Licensor and it is not to be construed as specification.