

**RED SBR  
PHYSICAL PROPERTIES**

**COMPOUND#**

**AHIR-1**

| <b>POLYMER</b>     | <b>SBR</b>         |                      |                   |      |     |
|--------------------|--------------------|----------------------|-------------------|------|-----|
| <b>ASTM METHOD</b> | <b>DESCRIPTION</b> | <b>TYPICAL VALUE</b> | <b>UNITS</b>      |      |     |
| D2240              | HARDNESS           | 74                   | SHORE"A"DUROMETER |      |     |
| D412               | 100%MODULUS        |                      | PSI               |      |     |
| D412               | 300%MODULUS        | 580                  | PSI               |      |     |
| D412               | TENSILE            | 700                  | PSI               |      |     |
| D412               | ELONGATION         | 300                  | %                 |      |     |
| D624               | TEAR               | 200                  | Lbs/in            |      |     |
| D1630              | NBS ABRASION       |                      | %                 |      |     |
| D2137              | COLD TEMPERATURE   |                      | SH                |      |     |
| D1171              | OZONE RESISTANCE   | HOURS @ 50           | PPHM RATING       |      |     |
| D257               | VOLUME RESISTIVITY |                      | Ohm-cm            |      |     |
| D395B              | COMPRESSION SET    | 22HOURS              | @                 | 70°C | 35% |
| D2084              | CURED@151°C T2     |                      | min.              |      |     |
|                    | CURED@151°C T95    |                      | min.              |      |     |
| D1646              | MOONEY SCORCH135SH |                      | min.T5            |      |     |
| D1646              | VISCOSITY 100°C    |                      | ML4               |      |     |
|                    | HEAT AGING         | 94 HOURS             | @                 | 70°C |     |
| D573               | CHANGED-HARDNESS   | 9                    | POINTS            |      |     |
|                    | CHANGED-TENSILE    | -24                  | %                 |      |     |
|                    | CHANGED-ELONGATION | -49                  | %                 |      |     |
|                    | OIL AGING          | HOURS                |                   |      |     |
|                    | CHANGED-HARDNESS   |                      | POINTS            |      |     |
| D471               | CHANGED-TENSILE    |                      | %                 |      |     |
|                    | CHANGED-ELONGATION |                      | %                 |      |     |
|                    | CHANGED-MASS       |                      | %                 |      |     |
|                    | CHANGED-VOLUME     |                      | %                 |      |     |