



## DATA SHEET

### SBR – 1712E Polymer Data

|                       |   |
|-----------------------|---|
| Polymerization System | : Cold emulsion Polymerization  |
| Emulsifier            | : Mixed acid soap   |
| Stabilizer            | : Staining  |
| Coagulant             | : Acid  |
| Extender              | : Highly aromatic oil, 37.5 phr   |
| Characteristics       | : Superior processing properties with extender oil, good wear, tear and cracking resistance |
| Application           | : Tires, footwear, conveyor belts, camelback, molded and extruded Industrial goods.         |

#### SPECIFICATION VALUES

| <u>POLYMER PROPERTIES</u>   |     | <u>Minimum</u> | <u>Maximum</u> | <u>Test Method</u> |
|-----------------------------|-----|----------------|----------------|--------------------|
| Bound Styrene               | (%) | 22.5.01        | 24.5           | ASTM D-5775        |
| Volatile Matter             | (%) | -----          | 0.75           | ASTM D- 5668       |
| Ash                         | (%) | -----          | 1.00           | ASTM D- 5667       |
| Organic Acid                | (%) | 3.90           | 5.70           | ASTM D-5774        |
| Mooney Viscosity ML... 100° |     | 42             | 56             | ASTM D-1646        |

\*Massed Sample

**COMPOUND PROPERTIES (Test Recipe ASTM D 3185; Cure @145°C)**

|                  |             |     |     |            |
|------------------|-------------|-----|-----|------------|
| Tensile Strength | 35'(kg/cm') | 180 | --- | ASTM D-412 |
| Elongation       | 35'(%)      | 420 | --- | ASTM D-0/- |
| 300% Modulus     | 25 (kg/cm') | 70  | 110 | ASTM D-412 |
|                  | 35'(kg/cm') | 85  | 125 | ASTM D-0/- |
|                  | 50 (kg/cm') | 100 | 140 | ASTM D-0/- |

**Test Recipe, ASTM D-3185****Parts**

|                    |        |
|--------------------|--------|
| Taipol SBR – 1712E | 137.00 |
| Zinc Code          | 3.00   |
| Stearic acid       | 1.00   |
| Sulphur            | 1.75   |
| HAF Black (IRB#7)  | 68.75  |
| TBBS               | 1.38   |




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**Total 213.38**
**Limited Warranty**

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