

## G&E Blended Butyl Technical Data Sheet

G&E Blended Butyl is produced by carefully combining selected feedstocks for uniform viscosity and rheology. G&E Blended Butyl is excellent for cost reduction in all types of Butyl applications when blended with prime butyl rubber.

### TYPICAL COMPOUND SPECIFICATIONS

#### MOONEY VISCOSITY

|                |                              |           |
|----------------|------------------------------|-----------|
| ASTM D 1646    | ML 1+8@125°C (257°F)         | 40 ± 10   |
| ASTM F 970     | Raw Polymer specific Gravity | 0.92      |
| ASTM D 5667-95 | (% Ash Content) wt%          | 2 Maximum |
| ASTM D 5668    | (Volatile Matter, % weight)  | 1 Maximum |

#### ODR RHEOMETER

|                |             |                                  |
|----------------|-------------|----------------------------------|
|                | ASTM D 2084 | 30 Minutes/3° Arc@ 177°C (350°F) |
| M <sub>L</sub> | 13 Typical  | Ts2 1.8 Typical                  |
| M <sub>H</sub> | 61 Typical  | Tc90 10.0 Typical                |

#### TYPICAL PHYSICAL PROPERTIES

|                    |              |                              |
|--------------------|--------------|------------------------------|
|                    | ASTM D 412   | Cured 40 Min @ 150°C (302°F) |
| Tensile, psi       | 2400 Typical |                              |
| Elongation, %      | 575 Typical  |                              |
| 300 % Modulus, psi | 1200 Typical |                              |

#### TEST RECIPE

|                    |                       |                       |
|--------------------|-----------------------|-----------------------|
|                    | ASTM D 3188-06 (2010) | Internal Mixer Method |
| G&E Blended IIR    | 100.00 pts.           |                       |
| Zinc Oxide         | 3.00 pts.             |                       |
| Sulfur             | 1.75 pts.             |                       |
| Stearic Acid       | 1.00 pts.             |                       |
| IRB 8 Carbon Black | 50.00 pts             |                       |
| TMTD               | 1.00 pts.             |                       |

#### PACKAGING

Thirty-six, 75 lb. (34 kg.) bales wrapped in low-melt polyethylene film are packaged in Returnable Metal Boxes weighing 2,700 lbs (1.23 MT) each. Corrugated Boxes are available with a weight of 2200 lbs (1 MT).

#### Disclosure

The information contained herein is based upon laboratory test results believe to be reliable. However, it is offered solely for guidance to persons who will make their own determination. Goldsmith & Eggleton's products are sold without warranty, expressed or implemented.

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