

## Product Sales Specification

### Description

Exxon Chlorobutyl is a chlorinated copolymer of isobutylene and isoprene. The product has a characteristic specific gravity of 0.92. The product form is white to light amber bales.

### Product Specifications

| Grades                             |     | 1066        | 1068        |
|------------------------------------|-----|-------------|-------------|
| Mooney viscosity<br>ML 1+8 (125°C) |     | 38 ± 5      | 50 ± 5      |
| Antioxidant (non-staining)         | wt% | 0.02 min    | 0.02 min    |
| Chlorine                           | wt% | 1.26 ± 0.08 | 1.26 ± 0.08 |
| Water                              | wt% | 0.3 max     | 0.3 max     |

### Performance Specifications

#### Cure Characteristics

|      |      |            |            |
|------|------|------------|------------|
| MH   | dN.m | 41.0 ± 7.0 | 45.0 ± 7.0 |
| ML   | dN.m | 14.0 ± 4.5 | 17.0 ± 4.5 |
| ts2  | mins | 2.0 ± 1.5  | 2.0 ± 1.5  |
| t'50 | mins | 5.0 ± 3.0  | 5.0 ± 3.0  |
| t'90 | mins | 13.0 ± 4.0 | 13.0 ± 4.0 |

### Test Methods

|                               |                       |                        |
|-------------------------------|-----------------------|------------------------|
| Mooney viscosity              | ASTM D 1646, modified | MV 2000 or equivalent. |
| Antioxidant                   | Exxon test method     |                        |
| Chlorine                      | Exxon test method     |                        |
| Water                         | Exxon test method     |                        |
| Chlorobutyl standard compound | ASTM D 3958, modified |                        |
| Cure characteristics          | ASTM D 2084, modified | Rheometer ODR 2000     |