



# RubberSource Inc.

Products Engineered To Exceed Requirements

## RS-450 Red Rubber Sheeting

Abrasion resistant, engineered for the mining industry

### Applications

- Cyclones
- Separators
- Classifiers
- Vessels & Chutes
- Pipe Linings
- Skirting

### Benefits

- Resistant to abrasion
- High resilience
- Reduces corrosion
- Vibration & noise absorbing

### Roll Sizes

| Metric                 | Imperial    |
|------------------------|-------------|
| 1.2m x 10m             | 4' x 33'    |
| 1.4m x 10m             | 4.6' x 33'  |
| 1.5m x 10m             | 4.92' x 33' |
| Custom sizes available |             |

### Available Thickness

| Metric | Imperial   |
|--------|------------|
| 1-50mm | 1/32" - 2" |

### TECHNICAL SPECIFICATION

| PROPERTIES                                  | TEST METHOD        | VALUES              | TEST METHOD | VALUES                 |
|---|--------------------|---------------------|-------------|------------------------|
|   |                    | FPS UNITS           |             | METRIC UNITS           |
| SPECIFIC GRAVITY                            | ASTM D297          | 1.15                | DIN 53508   | 1.15g/cm <sup>3</sup>  |
| HARDNESS                                    | ASTM D2240         | 45± 5 Sh A          | DIN 53505   | 45 ± 5 Sh A            |
| TENSILE STRENGTH (min)                      | ASTM D412          | 1425 PSI            | DIN 53504   | 100 kg/cm <sup>2</sup> |
| ELONGATION AT BREAK (min)                   | ASTM D412          | 400%                | DIN 53504   | 400%                   |
| ABRASION RESISTANCE (max)                   | ASTM D5963         | 140 mm <sup>3</sup> | DIN 53516   | 140 mm <sup>3</sup>    |
| COMPRESSION SET (70°C/24 hrs/25% set) (max) | ASTM D395 METHOD B | 35%                 | DIN 53517   | 40%                    |
| TEAR RESISTANCE (Angular) min               | ASTM D624          | 196 lbs/inch        | DIN 53515   | 35 kg/cm               |
| RESILIENCE                                  |                    | 75%                 |             | 75%                    |
| <b>CHANGE IN PROPERTIES</b>                 |                    |                     |             |                        |
| HEAT AGING (72 hrs at 70°C)                 | ASTM D573          |                     |             |                        |
| - HARDNESS (Pts)                            |                    | +5 (max)            |             | +5 (max)               |
| - TENSILE STRENGTH (%)                      |                    | +10 /-20            |             | +10 /-20               |
| - ELONGATION AT BREAK (%)                   |                    | +10 /-20            |             | +10 /-20               |
| VOLUME SWELL: AT 70°C FOR 72 HRS/IN         | ASTM D471          |                     |             |                        |
| ASTM OIL NO.1                               |                    | NOT RECOMMENDED     |             | NOT RECOMMENDED        |
| ASTM OIL NO.2                               |                    | NOT RECOMMENDED     |             | NOT RECOMMENDED        |
| ASTM OIL NO.3                               |                    | NOT RECOMMENDED     |             | NOT RECOMMENDED        |
| <b>CHEMICAL RESISTANCE</b>                  |                    |                     |             |                        |
| - OZONE                                     | ASTM D1149         | FAIR                |             | FAIR                   |
| - DILUTE ACIDS AND BASES                    |                    | GOOD                |             | GOOD                   |
| - CONCENTRATED ACIDS AND BASES              |                    | NOT RECOMMENDED     |             | NOT RECOMMENDED        |
| - OILS                                      |                    | NOT RECOMMENDED     |             | NOT RECOMMENDED        |
| - SOLVENTS                                  |                    | NOT RECOMMENDED     |             | NOT RECOMMENDED        |
| TEMPERATURE RANGE                           |                    | -40° to +70° C      |             | -40° to +85° C         |
| COLOUR                                      |                    | PINK                |             | PINK                   |

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