

Emulprene® 1502

Emulsion Styrene Butadiene Rubber

INSA

Message:

E1502 is a cold styrene-butadiene copolymer, used fatty and rosin acid as emulsifier, coagulated by salt-acid system and stabilized with a non-staining antioxidant.

Applications:

E1502 is widely used as raw material in tire, shoe sole and in various industrial products.

| General Information | | | |
|----------------------------|-------------------------|------|-------------|
| Additive | Antioxidant | | |
| Features | Antioxidant | | |
| | Copolymer | | |
| | Stain Resistant | | |
| Uses | Footwear | | |
| | Industrial Applications | | |
| | Tires | | |
| Physical | Nominal Value | Unit | Test Method |
| Mooney Viscosity | | | ASTM D1646 |
| ML 1+4, 100°C ¹ | < 83 | MU | |
| ML 1+4, 100°C | 47 to 57 | MU | |
| Bound Styrene | 22.5 to 24.5 | % | ASTM D5775 |
| Ash Content | 0.0 to 1.0 | % | ASTM D5667 |
| Organic Acid | 4.8 to 7.2 | % | ASTM D5774 |
| Soap | 0.0 to 0.50 | % | ASTM D5774 |
| Volatile Matter | 0.0 to 0.70 | % | ASTM D5668 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 16.4 to 22.4 | MPa | ASTM D3185 |
| Tensile Strength | > 22.5 | MPa | ASTM D3185 |
| Tensile Elongation (Break) | > 330 | % | ASTM D3185 |
| NOTE | | | |
| 1. | *Compound | | |

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