

Emulsion Polymerization Non-Oil Extended Styrene Butadiene Rubber / ESBR

- JSR 1500 : The most typical grade of staining type non-oil extended SBR.
It excels in physical properties such as tensile strength, tear resistance, aging resistance, and abrasion resistance. Furthermore, since rosin acid soap is used as the emulsifier, it abounds in tackiness, and excels in processability.
- JSR 1502 : A mixed soap of rosin acid and fatty acid is used as the emulsifier, and it is the most typical grade of non-staining, non-oil extended SBR.
- JSR 1507 : This is a low Mooney Viscosity, non-staining, non-oil extended SBR.
- JSR 0202 : Non-staining, non-oil extended SBR having high Bound Styrene.
- JSR 1503 : Non-staining, non-oil extended SBR having good water resistance.

| Grade | Product Stain | Bound Styrene(%) | Mooney Viscosity ML ₁₊₄ (100°C) | Emulsifier | Coagulant | Specific Gravity | Application |
|----------|---------------|------------------|--|------------|-----------|------------------|---|
| JSR 1500 | ST | 23.5 | 52 | RA | Salt/Acid | 0.94 | Tire tread, camelback, conveyor belt, hose, other black products |
| JSR 1502 | NS | 23.5 | 52 | RA/FA | Salt/Acid | 0.94 | Sidewall, footwear, rubberized fabric, other light colored products, non-staining type black products |
| JSR 1507 | NS | 23.5 | 35 | RA/FA | Salt/Acid | 0.94 | Light colored, translucent products such as sponge, industrial goods, rubberized fabric, and toys. In addition, black products requiring good processability |
| JSR 0202 | NS | 46 | 45 | RA/FA | Salt/Acid | 0.98 | Footwear, sponge, industrial goods, other translucent products, non-staining type black products |
| JSR 1503 | NS | 23.5 | 52 | RA/FA | Glue/Acid | 0.93 | Industrial goods which require water resistance and non-corrosion behavior towards metal |

Emulsion Polymerization Oil-Extended Styrene Butadiene Rubber / ESBR

- JSR 1723 : The most typical grade of staining type oil-extended SBR and a successor grade of 1712
- JSR 0122 : High styrene type of 1723.
- JSR T0174 : A typical staining type oil-extended SBR and a successor grade of 1714
- JSR 1778 : A typical non-staining type oil-extended SBR.
- JSR 1778N : A typical non-staining type oil-extended SBR.

| Grade | Product Stain | Bound Styrene(%) | Mooney Viscosity ML ₁₊₄ (100°C) | Emulsifier | Coagulant | Oil (%) | Specific Gravity | Application |
|-----------|---------------|------------------|--|------------|-----------|---------|------------------|--|
| JSR 1723 | ST | 23.5 | 43 | RA/FA | Salt/Acid | *1:27.3 | 0.93 | Tire tread, camelback, conveyor belt, hose, other black products. |
| JSR 0122 | ST | 37 | 52 | RA/FA | Salt/Acid | *1:25.4 | 0.95 | |
| JSR T0174 | ST | 23.5 | 47 | RA/FA | Salt/Acid | *1:33.3 | 0.93 | Black products. |
| JSR 1778 | NS | 23.5 | 55 | RA/FA | Salt/Acid | *2:27.3 | 0.92 | Light colored, translucent products such as footwear, rubberized fabric, tire carcass, sidewall, and other non-staining type black products. |
| JSR 1778N | NS | 23.5 | 46 | RA/FA | Salt/Acid | *2:27.3 | 0.92 | |

*1 : Aromatic oil

*2 : Petroleum hydrocarbon · lubricating base oil.