

VECTOR 8508A

Styrene-Butadiene-Styrene (SBS) Block Copolymer

- Linear SBS ⁽¹⁾ triblock copolymer.
- Contains <1% diblock copolymer.
- Medium styrene, medium modulus.

VECTOR 8508A styrenic block copolymer is a linear triblock copolymer with a narrow molecular weight distribution. It has excellent thermoplastic elastomer properties and physical strength, and superior melt processability when compared to VECTOR 2518A SBS. It is well-suited for use in elastomer compounds, as an impact/toughness modifier in styrenics, and in formulating adhesives.

- VECTOR 8508A SBS is offered as a porous pellet supplied from the United States.

| Polymer Properties | Test Method | Units | Typical Value ⁽²⁾ |
|--|---------------------|-------------------|------------------------------|
| Styrene | TSRC / Dexco Method | wt% | 29 |
| Diblock Content | TSRC / Dexco Method | wt% | <1 |
| Melt Flow Rate (200°C/5kg) | ASTM D1238 | g/10 min | 12 |
| Solution Viscosity ⁽³⁾ | ASTM D2196 | cps | 1130 |
| Ash | ASTM D5630 | wt% | 0.8 |
| Physical Properties | | | |
| Tensile at Break ⁽⁴⁾ | ISO 37 | MPa | 20 |
| Stress at 300% Elongation ⁽⁴⁾ | ISO 37 | MPa | 4.6 |
| Elongation at Break ⁽⁴⁾ | ISO 37 | % | 900 |
| Hardness ⁽⁵⁾ | ASTM D2240 | Shore A | 67 |
| Bulk Density | ASTM D1895 | g/cm ³ | 0.41 |
| Specific Gravity | ASTM D792 | | 0.94 |

1) SBS denotes a linear styrene-butadiene-styrene triblock copolymer.

2) Not to be construed as specifications.

3) 25 wt% in Toluene; 25°C.

4) Roll-milled, compression-molded plaques.

5) Dwell time - 1 second.

TSRC

DEXCO