

## VECTOR<sup>®</sup> 8109

### Styrene-Ethylene/Butylene-Styrene (SEBS) Block Copolymer

VECTOR<sup>®</sup> 8109 is a linear triblock copolymer with 29.5% styrene content.

The product exhibits the following characteristics:

- High molecular weight
- Superior weather/heat resistance and high compression set
- Low residue on Ignition
- Good compatibility with plastics and oils
- Suitable for medical plastic modification and thermoplastic elastomer compound

VECTOR<sup>®</sup> 8109 (SEBS) is offered as a powder supplied from China PRC.

| Polymer Properties                | Test Method | Unit    | Typical Value <sup>(1)</sup> |
|-----------------------------------|-------------|---------|------------------------------|
| Diblock Content                   | TSRC Method | wt%     | <1                           |
| Specific Gravity                  | ASTM D792   | -       | 0.91                         |
| Hardness                          | ASTM D2240  | Shore A | -                            |
| Tensile Strength                  | ASTM D412   | MPa     | -                            |
| Elongation at Break               | ASTM D412   | %       | -                            |
| Solution Viscosity <sup>(2)</sup> | TSRC Method | cP      | 320                          |

| Sales Specification           | Test Method | Unit    | Range |      |
|-------------------------------|-------------|---------|-------|------|
|                               |             |         | Min   | Max  |
| Styrene                       | TSRC Method | wt%     | 28.0  | 31.0 |
| Volatile Matter               | TSRC Method | wt%     | -     | 0.5  |
| Ash (w/o AB)                  | ASTM D5667  | wt%     | -     | 0.1  |
| Melt Flow Rate <sup>(3)</sup> | ASTM D1238  | g/10min | -     | -    |

1) Not to be construed as specifications

2) 5 wt% in Toluene, 25°C

3) 230°C/2.16kg