

# LOTTE CHEMICAL

January, 2013

## SEETEC VS430

Ethylene Vinyl Acetate Copolymer

### General Information

#### Description

SEETEC VS430 resin is produced by ExxonMobil Chemical's autoclave process technology. SEETEC VS430 resin, with 19% VA content, is an excellent raw material in the application of foam.

#### Applications

◆ Shoesoles, Crosslinked foam-buggy wheels, Injection moulding, Hot melt adhesives, Flexible hoses

### Physical Properties<sup>1</sup>

| Physical               | Test Method | Nominal Values |         |      |     |
|------------------------|-------------|----------------|---------|------|-----|
| Melt Flow Index        | ASTM D1238  | 2.5            | g/10min |      |     |
| Density                | ASTM D1505  | 0.939          | g/cm³   |      |     |
| Vinyl acetate Content  | LC Method   | 19             | wt. %   |      |     |
| Mechanical             |             |                |         |      |     |
| Tensile Stress (Break) | ASTM D638   | 140            | kgf/cm² | 13.7 | MPa |
| Tensile Strain (Break) | ASTM D638   | 670            | %       | 700  | %   |
| 2% Secant modulus      | ASTM D790   | 300            | kgf/cm² | 29.4 | MPa |
| Thermal                |             |                |         |      |     |
| Melting Point          | LC Method   | 84             | °C      |      |     |
| VICAT Softening Point  | ASTM D1525  | 64             | °C      |      |     |
| Additional Properties  |             |                |         |      |     |
| Hardness               | ASTM D2240  | 38             | D scale |      |     |

### NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications

