

## Samsung Cheil Industries Starex<sup>®</sup> SG-202 Expandable Polystyrene (EPS) High Expansion

Category : Polymer , Thermoplastic , Polystyrene (PS) , Expanded Polystyrene (EPS)

**Material Notes:**

Typical Application : Large Float, Fish Box (Large) Information provided by Samsung Cheil Industries.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Samsung-Cheil-Industries-Starex-SG-202-Expandable-Polystyrene-EPS-High-Expansion.php](http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-SG-202-Expandable-Polystyrene-EPS-High-Expansion.php)

| Physical Properties | Metric           | English                     | Comments                    |
|---------------------|------------------|-----------------------------|-----------------------------|
| Specific Gravity    | 1.03 - 1.05 g/cc | 1.03 - 1.05 g/cc            |                             |
| Density             | 0.0160 g/cc      | 0.000578 lb/in <sup>3</sup> | Based on 65 times expansion |
| Bead Size           | 0.960 - 1.36 mm  | 0.0378 - 0.0535 in          | JIS Z8801                   |

| Mechanical Properties | Metric       | English    | Comments                                       |
|-----------------------|--------------|------------|------------------------------------------------|
| Flexural Strength     | 1.80 MPa     | 261 psi    | @ 15 kg/m <sup>2</sup> ; ASTM DC201            |
| Compressive Strength  | >= 0.700 MPa | >= 102 psi | @ 15 kg/m <sup>2</sup> ; JIS A9511, ASTM D1621 |

| Chemical Properties   | Metric      | English     | Comments |
|-----------------------|-------------|-------------|----------|
| Blowing Agent Content | 6.0 - 7.0 % | 6.0 - 7.0 % | Pentane  |

| Descriptive Properties | Value    | Comments                         |
|------------------------|----------|----------------------------------|
| Blocking               | <1%      |                                  |
| Expandability          | 65 Times | Expansion for 5 min Cheil Method |
| Fusion                 | >75%     | Cheil Method                     |
| Polymer Content        | 93-94%   |                                  |

### Contact Songhan Plastic Technology Co.,Ltd.

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