

## Westlake EMAC® SP1400 Specialty Copolymer (discontinued \*\*)

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate , Ethylene-Methyl Acrylate Copolymer, Compounding Grade

### Material Notes:

EMAC resins adhere to and are compatible with a wide range of materials including paper, polyolefins, oriented polyolefins, polyesters, ionomers, PVdC, unplasticized PVC and other polar polymers. For use as heat seal layer, adhesive layer, or modifier for cost/performance enhancement. They are soft, pliable and tough at ambient and freezing temperatures and exhibit excellent ESCR. These polymers exhibit high solids fillability and compatibility with a wide range of polymers. This facilitates their uses as bases for all-purpose concentrates for addition to a wide spectrum of polymers. EMAC resins process like LDPE. Eastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-EMAC-SP1400-Specialty-Copolymer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Westlake-EMAC-SP1400-Specialty-Copolymer-nbspdiscontinued-.php)

| Physical Properties     | Metric   | English  | Comments   |
|-------------------------|--|--|------------|
| Density                 | 0.946 g/cc   | 0.0342 lb/in <sup>3</sup>                            | ASTM D1505 |
| Methyl Acrylate Content | 24 %   | 24 %   |            |
| Melt Flow               | 1.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 1.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238 |

| Mechanical Properties     | Metric   | English  | Comments             |
|---------------------------|----------|----------|----------------------|
| Hardness, Shore D         | 35       | 35       | ASTM D2240           |
| Tensile Strength at Break | 13.0 MPa | 1890 psi | 500mm/min; ASTM D638 |
| Elongation at Break       | 925 %    | 925 %    | 500mm/min; ASTM D638 |

| Thermal Properties      | Metric      | English     | Comments             |
|-------------------------|-------------|-------------|----------------------|
| Melting Point           | 73.0 °C     | 163 °F      | DSC                  |
| Vicat Softening Point   | 47.0 °C     | 117 °F      | 1kg load; ASTM D1525 |
| Brittleness Temperature | <= -73.0 °C | <= -99.4 °F | ASTM D746            |

## Contact Songhan Plastic Technology Co.,Ltd.

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